

W. S. G. G. G. G. G.

Stewart

Black

Wm

For

72
Em

16-25-
18-50
7-75
17-00
18-00
5-50
9-75
14-50
7-00
18-50
4-50
2-50

126-75
10-00

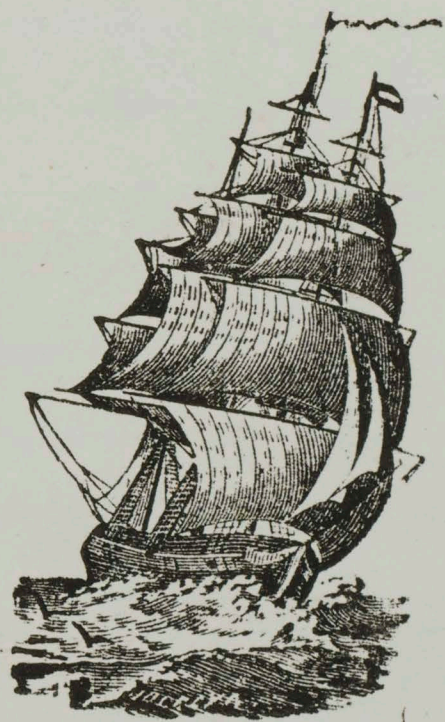
LOG BOOK

VOYAGES OF THE

Ship Black Hawk from New York to

COMMANDED BY

San Francisco C. C. Baker master 1875



CROCKER, WOOD & CO.,
SHIP CHANDLERS & GROCERS,
No. 52 SOUTH STREET,
NEW YORK.

Wilbur & Hastings, Stationers, 40 Fulton St., N. Y.

LOG BOOK

ADVANCE OF THE

COMMISSIONER



WOOD & CO.

NEW YORK

1870

NEW YORK

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	day of	1875
						Air.	Water.				
1	3		080						At 7 AM wind from the Westward crew came on board and pilot on moored ship from pier 18 East river at 8 took steam and proceeded to sea at 11 AM tug and Pilot left made all sail wind dying out at 12 noon light shift bore WNW dist 6 miles from which I took my departure wind light and baffling through out the 24 hours baffled from the Eastward several sail in company	Sunday	1875
2	3										
3	3										
4	3										
5	2										
6	1										
7	1										
8	2										
9	3										
10	3										
11	3										
12	3										
1	3								Draft of ship 19 ft 6 in Forward 21 ft 2 in aft Pumps attended 1 Day out		
2	4										
3	4										
4	4										
5	5										
6	5										
7	5										
8	5										
9	6										
10	6										
11	6										
12	6										

Baffling from the Eastward

13-5
21-2
1.0-8
20-0.1

Course.		Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.	
080		89'	17.4	87.3	40° 05'		1 Point	20	75° 39'		
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.		Barometer.	REMARKS.	day of	1875
1	6		80 80 80	WNW					Sunday 7 Jan At 12 wind hauled to the Northward and Westward and rainy all drawing sail set at 6 breeze freshening took in skysail and Mizzen Royal Middle part moderate gale with heavy squalls took in Fore and Main R yards and Mizzen top gal rail at 12 midnight wind hauled to NW and sea getting up Latter part moderate with a little with snow squalls made all sailable sail wind hauled more to the Northward Pump attended to 2 Days out		
2	7										
3	8										
4	8										
5	8										
6	10										
7	10										
8	10										
9	10										
10	10										
11	10										
12	10										
1	10		80	NW							
2	10										
3	10										
4	10										
5	10		80 80 80	North							
6	10										
7	10										
8	10										
9	10										
10	10										
11	10										
12	10										

At 12 wind hauled to the Northward and Westward and rainy, all drawing sail set at 6 breeze freshening took in skysail and Mizzen Royal

Middle part moderate gale with heavy squalls took in Fore and Main R yards and Mizzen top gal rail at 12 midnight wind hauled to NW and sea getting up

Latter part moderate a little with snow squalls made all sailable sail wind hauled more to the Northward

Pumps attended to

2 Days out

Course.		Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
81 30		227	100.2	202.0	38° 25'		1/2	28.4	68° 55'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday day of 11 Jan	1875
						Air.	Water.				
1	9		SE by E 1/2 E North								
2	9										
3	9										
4	9										
5	9										
6	9										
7	9			NE							
8	9										
9	9										
10	9										
11	9										
12	9										
1	8										
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Strong breeze from the Northward and overcast with snow squalls at 6 wind hauled to NW all sail set

Middle & Latter part the same crew employed getting on chafy gear

Pumps attended to

3 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.		
SE by E	20 1/4	78.1	188.5	37° 07'	37° 24'	1/2 Point	24' 0"	64° 53'			
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday day of Jan	1875
						Air.	Water.				
1	8		SE by E	NE							
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8			North							
2	9										
3	9										
4	9										
5	9										
6	9										
7	9										
8	9										
9	9										
10	9			NE							
11	9										
12	9										

Fresh breeze from the Northward and Westward and overcast with passing squalls stowed the cables below

Middle part the same up to 12 midnight and hazy more to the Northward and freshening

Latter part fresh breeze with passing squalls set foremast steel sail

Pumps attended to

4 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE by E	20 1/4	39.8	200.1	36° 44'	36° 46'	1/2 P	25' 1"	60° 41'	59° 30'

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	1875
						Air.	Water.			
1	9		SSS	North					Fresh breeze and cloudy all sail at 8 squally and breeze freshening	Wednesday 13 Jan
2	9									
3	9									
4	9									
5	9									
6	9									
7	10								Middle part the same	
8	10									
9	10									
10	10		SS by E	NNE					Latter strong and pleasant - sat Lower Stud sail crew variously employed	
11	10									
12	10									
1	10									
2	10									
3	10									
4	10								Pumps attended to	
5	10									
6	10									
7	10								8 Days out	
8	10									
9	10									
10	10									
11	10									
12	10									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 72° E	230	71.2	217.6	33° 33'	35° 31'	1° 10' N	28° 8'	52° 01'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	1875
						Air.	Water.			
1	9		SS by E	NNE					Strong breeze and overcast with nasty swell at 4 P.M. moderating crew variously employed	Thursday day of 14 Jan
2	9									
3	9									
4	9									
5	8									
6	8									
7	7								Middle part wind hauled to NE and light	
8	7									
9	6									
10	6		SSS	NNE					Latter the same up to 10 AM then wind hauled to the Southward of took in Studding sail	
11	6									
12	6									
1	6									
2	6									
3	6									
4	6								Pumps attended to	
5	5									
6	5									
7	4								6 Days out	
8	4									
9	3		SSS							
10	3									
11	2			South						
12	2									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 73° E	142	40.1	136.1	34° 51'	34° 52'	1° 10' N	16° 4'	52° 11'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday day of 15 Jan 1875
						Air.	Water.			
1	3		By S	By E					Light breeze and overcast at 4 buoy fishing and squally at 7 wind hauling more to the Westward with very heavy squalls took in Light sails	
2	4									
3	5									
4	6									
5	7									
6	8									
7	8		S E	S S W					Middle part strong with heavy squalls at 2 PM muddering a little at 11.30 carried away Fore Topgalsail	
8	8									
9	9									
10	10									
11	10								Latter part weather more settled and wind hauled to West made all sail and set Studding sails	
12	10									
1	10									
2	10									
3	9									
4	8									
5	8								Pump attended to	
6	6			West						
7	6									
8	6									
9	5									
10	5									
11	5								7 Days out	
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.	
S 64° E	166	72.2	149.1	33° 40'	33° 40'	1 Point	18'0	49° 17'		
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday day of 16 Jan 1875
						Air.	Water.			
1	6		S by S	West					Fresh breeze and overcast all sail set	
2	6									
3	6									
4	6									
5	6									
6	6									
7	6		S E						Middle part at 8.30 breeze freshening took in Studding sails at 10 light sails at 12 fresh gale with heavy squalls and sharp lightning took in Topgalsails very thick and darty looking	
8	6									
9	9									
10	10									
11	10									
12	10									
1	10		S by S	W S W					Latter had a very heavy squall at 4.30 and a very heavy fall of rain at 6 weather more settled but Topgalsails wind hauling more to the Southward and heavy sea getting up	
2	10									
3	10									
4	10									
5	10		S W by W						Pump attended to.	8 Days out
6	10									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 42° E	193	131.8	142.9	31° 35'	31° 35'	1	189	46° 28'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday ^{day of} Jan 1875
						Air.	Water.			
1	9		SS E	WSW					Strong breeze with heavy squalls and high sea all suitable sail set	
2	9									
3	9									
4	9									
5	9									
6	9									
7	9									
8	9								Middle part the sun to 11 then moderating and weather more settled sat the Royals and stay sails at 4 AM wind hauled to the Westward	
9	9									
10	8									
11	8									
12	8									
1	8								Light breeze and pleasant sat 6 AM set Top mast and Lower Studd sails and haul to the Northward	
2	8									
3	7									
4	7			West						
5	6									
6	6								Pumps attended to 9 Days out	
7	5									
8	5									
9	5		S by E	NE						
10	4									
11	4									
12	4			North						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S E by S	177	14.1	94.3	29° 27'	29° 37'	1° 10' E	110	42° 38'	42° 00'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday ^{day of} Jan 1875
						Air.	Water.			
1	2		South	North					Light baffling breeze from the Northward at 2 PM wind hauled to the Eastward a steamer in sight brought to the Northward a very heavy swell from the NE from six to eight calm	
2	2									
3	2			East						
4	2									
5	2									
6	2									
7	0									
8	0								Light air from the Southward at 12 midnight wore ship to the Eastward	
9	3		W by S 1/2 S	South						
10	3									
11	1									
12	1									
1	1		SE 1/2 E	SE					Latter the same Pumps attended to 10 Days out	
2	1									
3	1									
4	1									
5	3		SS E	SE						
6	3									
7	3									
8	2									
9	2		SE E	South						
10	2									
11	2									
12	2									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE 1/4 E	370	42.2	24.3	28° 56'	29° 12'	16°	28	41° 32'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday day of 19 Jan 1875
						Air.	Water.			
1	2		South						Light baffling air from all points of the compass with heavy rain squalls	
2	2									
3	2									
4	2									
5	2									
6	2									
7	2									
8	2		SSW	SE					At 8 light air from SE with passing squalls	
9	2									
10	2									
11	2									
12	2								Batter at 8 AM breeze a little and weather more settled a ship in sight bound to the Northward	
1	2									
2	2									
3	2									
4	2								Pumps attended to	
5	2		SSW	SSW						
6	2									
7	2									
8	2									
9	3									
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.		
S 3/4 W	55	54.6	07.8	28° 17'	28 07	16°	09	41° 41'			
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday ^{day of} 20 Jan 1875	
						Air.	Water.				
1	6		SW by S	SE by S					Moderate breeze and pleasant at 2 breeze freshening all sail set at 6 fresh breeze and squally		
2	6										
3	7										
4	7										
5	8		SSW	SE					Middle part part the same.		
6	8										
7	8										
8	8										
9	8								Batter strong breeze and overcast crew sawing employed		
10	8										
11	8										
12	8										
1	8								Pumps attended to		
2	8										
3	8										
4	8										
5	8		S by W	ESE					12 Days out		
6	9										
7	9										
8	9										
9	9										
10	9										
11	9										
12	9										
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.		
S 6° W	191	190.4	20.9	24° 56'	25° 07'	16°	23	42° 04'			

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday day of 21 Jan	1875
						Air.	Water.				
1	8		S by W	OSO							
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	9										
10	9										
11	9										
12	9										
1	9		SSW	SO							
2	9										
3	9										
4	9										
5	9										
6	9		S by W	OSO							
7	9										
8	9										
9	9										
10	9										
11	9										
12	9										

Strong breeze and squally
all sail set

Middle & Latter part
the same

Pump attended to

13 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 3° E	208	207.9	09.8	21° 4' 0"	21° 3' 4"	16°	12	41° 5' 2"	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday day of 22 Jan	1875
						Air.	Water.				
1	9		S 1/2 W	OSO							
2	9										
3	9										
4	9										
5	9		South								
6	9										
7	9										
8	9										
9	9										
10	9										
11	9										
12	9										
1	8		SSO	East							
2	8										
3	6		SSO	S by E							
4	9		S by E	S by S							
5	9										
6	9										
7	9										
8	9										
9	9										
10	9										
11	9		SSO	East							
12	9										

Strong breeze with strong
puff all sail set wind not
steady

Middle & Latter parts
the same

Pump attended to

14 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 17° E	203	195.0	38.2	18° 2' 1"	18° 1' 1"	12°	50	41° 5' 2"	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Saturday ^{day of} 23 Jan 1875
						Air.	Water.			
1	8		S by E	E by S						
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8		SSE	East						
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8		S by E	E by S						
10	8									
11	8									
12	8									

Strong breeze and squally at 7 took in Royals Sea getting up

Middle & latter strong breeze and high sea with heavy squalls at 11 A.M. a bark passed bound to the northward

Pumps attended to

15 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 20° E	192	17 15'	84.5'	15° 50'	15° 53'	1 Point 8.8	29° 24'	29° 30'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday ^{day of} 24 Jan 1875
						Air.	Water.			
1	8		S by E	East						
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8		S by E	East						
10	8									
11	8									
12	8									
1	8									
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8		SSE							
10	8									
11	8									
12	8									

Strong breeze and high sea and heavy squalls.

Middle part the same

Latter weather more settled and sea going down all sail set

Pumps attended to

16 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 27° E	192	17 04'	87.5'	13° 05'	12° 56'	1 Point 8.8	28° 01'		

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday 25 Jan 1875
						Air.	Water.			
1	8		SSE East	East					Fresh breeze and pleasant all sail set at 6 getting squally and overcast wind unsteady	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									Middle part the same
11	8									
12	8									
1	8		SE by S E by N						Latter part the same	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									Pump attended to 17 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 36° E	192	153.5	111.3	10° 27'	10° 27'	3/4	11'3	25° 08'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday 26 Jan 1875
						Air.	Water.			
1	8		SE by S E by N	E by N					Fresh breeze and pleasant wind unsteady all sail set at 6 overcast	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8		SE by S E by N	E by N					Middle part the same	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8		SE by S E by N	E by N					Latter pleasant at 7 A M a bark in sight bound to the Northward	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									Pump attended to 18 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 57° E	191	120.8	119.9	8° 27'	8° 30'	1 Point	13.2	23° 36'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday ^{day of} 27 Jan 1875
						Air.	Water.			
1	8		S by S	ENE					Strong breeze and overcast at 6 freshening and squally	
2	8									
3	8									
4	8									
5	8									
6	9		SSE						Middle & latter the same and variously employed	
7	10									
8	10									
9	10									
10	10								Pump attended to	
11	10									
12	10									
1	10									
2	10								19 Days out	
3	10									
4	10									
5	11									
6	11								19 Days out	
7	11									
8	11		SE							
9	11									
10	11									
11	11									
12	11									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.		
S 38° E	23 1/2	18 1/2	14 5/8	5° 24'	5° 23'	1 1/2	148	31° 08'			
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday ^{day of} 28 Jan. 1875	
						Air.	Water.				
1	10		S by W	ENE					Fresh breeze and pleasant all sail set & carpenter making main topgallant		
2	10										
3	9										
4	9										
5	9										
6	8								Middle part the same		
7	8										
8	8										
9	8										
10	8			NE					Latter hauled in more to the outward at 11 1/2 took in lower stud sail		
11	8										
12	8										
1	8										
2	8								20 Days out		
3	8										
4	8										
5	8										
6	8								20 Days out		
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	200	200	20	2° 03'	1° 33'	1 1/2°	100	31 08	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday ^{day of} Jan 1875
						Air.	Water.			
1	8		SyW 1/2 W	S E						
2	8									
3	8									
4	8		S 1/2 W	S E						
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8									
2	8									
3	8									
4	8									
5	7									
6	7									
7	7									
8	7									
9	6		S 1/2 W	S E						
10	6									
11	6									
12	6									

Fresh breeze and pleasant
all sail set at 4 P.M. and
hauling more to the southward
took in steel sails

Middle part the same

Scatter part wind growing
lighter

Pump attended to

21 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 16° W	173			1-15	1° 00	1 P	47	31° 53'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday ^{day of} Jan 1875
						Air.	Water.			
1	6		S 1/2 W	S E						
2	5									
3	5									
4	5									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	5									
1	5									
2	5		S 1/2 W	S E						
3	5									
4	5									
5	6									
6	6									
7	7									
8	7									
9	8									
10	8									
11	8									
12	8									

Moderate breeze and
pleasant crew overhauling
lifts and footropes at 5
spoke a French bark from
Rio for Queenstown

Middle part the same

Scatter breeze freshening

Pump attended to

22 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 17° W	144	137.8	12.8	3° 18	3° 24	1 P	42	32° 37	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday day of 31 Jan 1875
						Air.	Water.			
1	6		SSW	SE						
2	6									
3	6									
4	6									
5	6									
6	6		SSW	SE						
7	6		SSW	SE						
8	6									
9	6									
10	6									
11	6									
12	6									
1	6									
2	6									
3	6									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7									
12	7									

Moderate breeze and pleasant at 2 PM sighted Fernando de Noronha keep off and went to leeward

Middle part the same

Boat part fresh breeze and pleasant at 8 a bark in sight bound to the Antwerp

Pumps attended to

23 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 25° 0' W	153	138 0	64.8	5° 43'	5° 55'	1° 12' 0"	64	33° 41'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday day of 1 Feb 1875
						Air.	Water.			
1	5		SSW	SE						
2	5									
3	5									
4	5		SSW	SE						
5	6		SSW	SE						
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									
1	6									
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	5									
10	5									
11	5									
12	5									

Light breeze from the Southward and Eastward and pleasant at 8 PM a steamer passed

Middle and Latter the same rose off new lanyard to the Fore Rigging

Pumps attended to

24 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 25° 0' W	160	150	110	8° 34'	8° 20'	1° 14' 0"	10	33° 41'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	1875
						Air.	Water.			
1	5		SSW	SE by E					Tuesday day of Feb	
2	5									
3	5								Bright breeze from the	
4	5								Southward and Eastward	
5	5								and pleasant at 12.30 sat.	
6	5								Spinnaker Studding sail	
7	5									
8	5									
9	5									
10	5									
11	5								Middle part the same	
12	5									
1	5									
2	5									
3	5								Latley at 8 A M wind more	
4	5								to the Southward took in	
5	5								Studding sail crew clearing	
6	5								winches	
7	1									
8	1								Pump attended to	
9	1			SE						
10	3									
11	3								25 Days out	
12	3									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSW	111	10 8.9	21.9	10° 2' 9"	10° 2' 0"		2'	3 1/2 0'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday ^{day of 3 Feb} 1875
						Air.	Water.			
1	3		SW by S	SE by S					Light baffling breeze from the Southward and Eastward and pleasant	
2	3									
3	3									
4	3									
5	3									
6	3		SSW 1/2 W						Middle part the same	
7	1									
8	5									
9	5									
10	3									
11	3								Better light air and squally wind more to the Southward very unsteady	
12	3									
1	3									
2	4									
3	4									
4	4								Pump attended to	
5	4									
6	4									
7	4									
8	4									
9	4								26 Days out	
10	1									
11	4		SW	SE						
12	4									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSW 1/4 W	95	8 5.1	21.8	11° 45'	11° 5' 8"	1/2	4' 5"	3 1/2 4 1/2	

Journal

from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday day of Feb 1875
						Air.	Water.			
1	0								Calm up to 6-30 then fresh breeze and squally from the Eastward wind not steady	
2	0									
3	0									
4	0									
5	0									
6	0									
7	4		Sby W						Middle part the same	
8	8									
9	7									
10	6								Latter moderate breeze with passing squalls crew overhauling blocks several sails brought to the Northward in sight today	
11	4									
12	4									
1	6									
2	6									
3	6									
4	6								Pump attended to	
5	6									
6	6		SS W	SE						
7	6								27 Days out	
8	5									
9	5									
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1/4 W	100	98 4	15.8	13 31	14 16	1/2	17	33 00	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Friday day of Feb 1875
						Air.	Water.			
1	6		Sby W	SEby E					Moderate breeze and pleasant crew employed as before	
2	6									
3	6									
4	6									
5	6								Middle part the same up to 12 and night then strong breeze and squally	
6	6									
7	6		S 1/2 W							
8	6									
9	7								Latter strong up to 7 AM then clearing out at 12 noon, calm several sail in sight crew overhauling brace blocks	
10	7									
11	7									
12	7									
1	8								Pump attended to	
2	8									
3	9									
4	9									
5	9								28 Days out	
6	9									
7	8									
8	6									
9	5									
10	4									
11	3									
12	2									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	15 1/4	15 49	0 0	16 41		1/2		38 00	

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday ^{day of} Feb 1875
						Air.	Water.			
1	0		W 1/2 S	S S W						
2	0									
3	0									
4	3									
5	4									
6	5		S S W	S E						
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									
1	6									
2	6									
3	6									
4	6		S by W							
5	6									
6	6									
7	6									
8	6									
9	6				East					
10	6									
11	6									
12	6									

Calmer up to 3 PM then light breeze from the South-west several sails in sight at 6 wind hauling more to the Eastward at 5 PM boarded brig Schooner from Rio for New York and sent letters by her

Middle part fresh breeze and squally took in S by sail

Latter fresh breeze and pleasant all sail set

Pumps attended to

29 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 18° W	113	107.7	35.1	18° 29'	18° 18' 1/2	38	38	83° 38'	35° 10'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday ^{day of} Feb 1875
						Air.	Water.			
1	6		S W by S	N E						
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									
1	6									
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Fresh breeze and pleasant keep off abet Sat stuck sails crew variously employed

Middle part the same

Latter part the same to 12 noon then wind hauled more to the Westward jibed ship and set stuck sails on starboard side

Pumps attended to

30 Days out.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S S W 1/2 W	144	127.0	61.9	20° 13'	20° 54'	1/2	70	36° 20'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday	day of 8 Feb	1875
						Air.	Water.					
1	7		SW 2 W	NN E					Commenced with moderate breeze from Northward and Eastward and pleasant			
2	7											
3	7											
4	7											
5	7											
6	8								Middle part the same wind inclined more to the Westward all sail set			
7	8											
8	8											
9	8											
10	8			North								
11	8								Latter part fresh breeze and pleasant crew various employed			
12	8											
1	8											
2	8											
3	8											
4	8								Pump attended to			
5	8											
6	8											
7	9											
8	10			NN E								
9	10								31 Days out			
10	10											
11	10											
12	10											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.			
SW	202	14.28	14.28	23° 26'	23° 39'	42	150	38° 50'				
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday	day of 9 Feb	1875
						Air.	Water.					
1	10		SW 2 W	NN E								
2	10											
3	10											
4	10											
5	5			NW 2 W								
6	5											
7	5		South 20 S W									
8	5		SW by W 2 W	S by E								
9	5											
10	5											
11	5											
12	5											
1	5											
2	5											
3	5											
4	5											
5	5											
6	5											
7	5											
8	5											
9	5											
10	5											
11	5											
12	5											
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.			
SW 40° W	140	82.0	113.7	23° 01'	23° 17'		120	40° 54'				

Journal from New York towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		SW by W	S by E					Fresh breeze with heavy swell from SW
2	6								
3	6								
4	6								
5	6								
6	6		SW	SE					Middle part sea going down and wind hauled to the Eastward
7	6								
8	6								
9	8			SE					
10	8								
11	8								Latter part the same at 5 P.M. set Topmast and Lower Studd sails
12	8								
1	8								
2	8								
3	8								
4	6			SE					Pumps attended to
5	6								
6	6								
7	6								
8	6								
9	6								33 Days out
10	6			East					
11	6								
12	6			NE					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 47° W	158	106.3	116.2	29° 11'	29° 51'		128	42° 58'	42° 33'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		SW by S	NE					Commenced with fresh breeze and pleasant from the NE
2	6								
3	6								
4	6								
5	6								
6	6								Middle part wind hauling to the Northward and squally
7	6								
8	6								
9	6		SW by S	NE					
10	7								
11	7								Latter part the same up to 11 A.M. then wind hauled to the Westward in a squall took in Studding sails at 12 hauling back set Studd sails again
12	7								
1	7		SE	North					
2	7								
3	7								
4	7								Pumps attended to
5	7								
6	7								
7	8								
8	8								
9	8								34 Days out
10	8								
11	8								
12	8		NE						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE 1/4 S	20 1/4	137.4	137.4	29° 22'			15 1/2	43° 31'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday day of 12 Feb 1875
						Air.	Water.			
1	6		SW	NE						
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									
1	6		SW 1/2 S	North						
2	6									
3	6									
4	6									
5	6									
6	6									
7	5			NE						
8	5									
9	4									
10	4									
11	3									
12	3									

Moderate breeze and pleasant all sail set

Middle part the same

Lighter breeze

Pumps attended to

35 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW 1/4 S	134	98 8	90.2	31° 10'	31° 56'		103	41° 14'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday day of 13 Feb 1875
						Air.	Water.			
1	0		Calm							
2	0									
3	0									
4	0									
5	3		SW	NE						
6	3									
7	3									
8	4									
9	4									
10	4									
11	4									
12	4									
1	4									
2	4									
3	4									
4	4		SW 1/2 S							
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

These 24 hours commenced with calm at 4 P.M. light breeze from NE sat 8th sail on Port side

Light fresh breeze and overcast

Pumps attended to

36 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW	84	65.5	65.5	32° 01'	32° 03'	1/2 E	76	13° 30'	

Journal from New York towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	1875
						Air.	Water.			
1	6		SSW 1/2 W	North					Commenced with moderate breeze from the Northward and forecast all sail set at 6 breeze freshening	
2	6									
3	6									
4	6									
5	6									
6	6									
7	7									
8	7									
9	7		SW by S	NNE					Middle part squally with sharp Lightning and heavy thunder and very heavy looky took in Studd Sails and light sails at 12 clearing up and wind hauling to the Westward.	
10	8									
11	8									
12	8									
1	4			NW						
2	4									
3	4								Batter light breeze and pleasant at 6 sat 12 squall and lower sheeting, &c.	
4	4									
5	4									
6	4									
7	4									
8	4		SSW 1/2 W	North						
9	4									
10	4			NW					Pump attended to 37 Days out	
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 30° W	130	105.5'	77.4	32° 32'	32° 50'	12 E	91	47° 01'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday day of Feb 1875
						Air.	Water.			
1	5		SW by S	NW					Light breeze and pleasant at 6 P.M. getting squally with sharp lightning and heavy thunder took in Studd Sails and light sails wind very unsteady	
2	5									
3	5									
4	5			NNE						
5	5									
6	5		SSW	West						
7	5									
8	5								Middle part the same wind battering	
9	6									
10	6									
11	6									
12	6									
1	6									
2	6									
3	6								Batter fresh breeze from the Southward and Westward at 10 A.M. wore ship to the West cloudy	
4	6									
5	6		S by W	W by S						
6	6									
7	6									
8	6									
9	6		SO	SSW						
10	6								Pump attended to	38 Days out
11	6		W 1/4 S							
12	6									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSW 1/4 W	121	103.1	61.9	33° 33'	33° 50'	1/4 E	7 1/2	48° 15'	

Journal

from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		WSW	South					Fresh breeze and overcast wind not steady
2	6								
3	6								
4	6								
5	6		SW by W	S by E					
6	6		SW by W						Middle part wind hauld to the Eastward sat Topmast Studd sail at 12 during out - at 1 PM again 3 AM light breeze from the Southward
7	6								
8	6								
9	5		S by E	East					
10	5								
11	5								Latter fresh breeze from the Southward
12	4								
1	2								
2	0								
3	0								
4	4		West	SSW					Pumps attended to
5	4								
6	4		W by S	S by W					
7	4								
8	4								
9	5								39 Days out
10	5								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
WSW by W	105	30.1	100.5	36° 00'	35° 54'	1 P E	120	50° 15'	53° 20'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		SSW by W	SE					Fresh breeze and pleasant changed the color of the water at 6 wind hauling to the Eastward
2	8								
3	8								
4	8								
5	7								
6	7								Middle part the same at 9 sat Topmast Studding sail wind not steady
7	7		S by W	SE					
8	7								
9	7								
10	6			East					
11	6								Latter the same sat Lower Studding sail cleared out the Vaseat
12	5								
1	5			NE					
2	5								
3	5								
4	5			NE					Pumps attended to
5	5								
6	5								
7	5								
8	5								
9	5			East					40 Days out
10	5								
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 28° W	140	124.5	65.4	38° 00'		1 P E	82	54° 42'	

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		S by W	N by E					Thursday ^{day of} 18 Feb 1875
2	6								
3	6								
4	6								Fresh breeze and pleasant
5	6								all sail set bent new Lower
6	6								Main Topail and T. G. B.
7	6								
8	6								Middle shifted Studd sails over
9	6		S by W 1/2 E	N by E					to Starboard
10	6								Later fresh breeze and
11	6								cloudy
12	6								
1	7								
2	7								Pumps attended to
3	7								
4	7								
5	7								41 Days out
6	7								
7	7		S by W	N by W					
8	7								
9	7								
10	7								
11	7								
12	7								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 23 W	165	157.3	65.5	40 31		1 Pm	84	56 in	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		S by W	N W					Friday ^{day of} 19 Feb 1875
2	6								Moderate breeze from NW and
3	6								overcast wind not steady at
4	6								6 PM getting squally
5	6								
6	6		S S W						Middle part the same with
7	6								sharp lightning
8	6								
9	6								
10	6								
11	6								Later light and baffling
12	6								
1	6								
2	6								Pumps attended to
3	6								
4	6								
5	5								42 Days out
6	5								
7	4								
8	4								
9	4								
10	4								
11	3								
12	2								

Baffling from all points of the compass

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S S W 1/4 W	125	108.4	64 1/4	42 19	41 56	1 P	87	57 33	

Journal

from New York

towards San Francisco

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer
Air. Water.

Barometer.

REMARKS.

Saturday day of 20 Feb

1875

1
2
3
4
5
6
7
8
9
10
11
12
1
2
3
4
5
6
7
8
9
10
11
12

S E by S

Balm to 6 PM then light
air from the Northward and
pleasant bent Lower Fore
Topsail

Middle & Latter the same
up to 8 AM then thick fog

Journal all accounted

Pumps attended to

43 Days out

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.
S E 48 31.8 31.8 42 27 1 P 1 2 58 13

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer
Air. Water.

Barometer.

REMARKS.

Sunday day of 21 Feb

1875

1
2
3
4
5
6
7
8
9
10
11
12
1
2
3
4
5
6
7
8
9
10
11
12

S E

These 24 hours commenced
with light air from the West-
ward at 2 hauld to the Southward
and Eastward wore ship

Middle part the same up to
12 mid night then wind hauld
to the Northward at 4 AM hauling
more Sat Topsail Studd sail

Latter wind hauling to
the Southward took in Studd
sails at 12 a thunder squall

Pumps attended to

44 Days out

S S E West

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.
S S E 101 62.4 78.8 43 29 1 2 107 60 02

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday ^{day of} 22 Feb	1875
						Air.	Water.				
1	5		SS E	SW							
2	5										
3	4										
4	4										
5	3		S by E	SW by W					Light baffling breeze from the		
6	3								Southward and Westward		
7	3								and pleasant at 8 calm		
8	3										
9	0								Middle part of breeze from		
10	2		S by E	West					the Westward		
11	6										
12	6										
1	6								Latter part at 7 A.M. wind		
2	6								hauling and freshening took		
3	6								in light sail strong breeze		
4	6								and short sea		
5	6										
6	7										
7	8								Pump attended to		
8	8		S by E	SW by W							
9	9										
10	9										
11	9										
12	9										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 24° W	122	111.0	49.3	45° 20'	45° 37'	1 1/2	69	51° 11'	51° 00'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday ^{day of} 23 Feb	187
						Air.	Water.				
1	8		SS E	SW							
2	8								Strong breeze and pleasant with		
3	8								short head sea the same sail set		
4	8								crew hoisting main deck		
5	8								at 6 moderating sail Baya.		
6	7										
7	7										
8	7								Strong breeze and nasty head		
9	7								sea took in light sails at 11		
10	7								increasing with heavy squalls		
11	7								took my Legaball and 4 fil		
12	7										
1	7								Latter part fresh gale and		
2	6								high sea at 8 Reefed main,		
3	6								sail 10 took in Fore & Miz		
4	6								Legsails		
5	6										
6	6								Pump attended to		
7	5										
8	5				2 1/2 Breeze						
9	4										
10	4										
11	4										
12	4										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	152	149.1	29.7	48° 07'	48° 14'	1 1/2	72	59° 48'	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	152	149.1	29.7	48° 07'	48° 14'	1 1/2	72	59° 48'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday day of Feb 187
						Air.	Water.			
1	0		W S W	S by E					At 1 PM wore ship and reefed main Top sail matty sea with heavy squalls	
2	5									
3	5									
4	5									
5	5									
6	5								Middle part the same	
7	5									
8	5									
9	5									
10	5									
11	5								Latter moderate made all suitable sail continues to moderate at 12 all sail set	
12	5									
1	5									
2	5									
3	5									
4	5								Pump attended to	
5	5									
6	5									
7	5									
8	5									
9	5								47 Days out	
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
West	113		113	48° 16'		1/2	228	63° 36'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday day of Feb 1875
						Air.	Water.			
1	0								Calm up to 6 PM light breeze from the Westward and freshning and squally took in Fore and Main Bowsprit and not steady hauling to the Southward	
2	0									
3	0									
4	0									
5	0									
6	0		S S E	W by N					Middle part the same	
7	1									
8	6									
9	6		South	W S W						
10	7									
11	7								Latter still hauling to the deck and closely haly stowing half deck. Killed a pig	
12	7		S S E 1/2 E	S E						
1	7									
2	7									
3	7									
4	7		S E	S S E					Pump attended to	
5	7									
6	7									
7	7									
8	7									
9	7								48 Days out	
10	7									
11	7									
12	7									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1/4 E	111	110.5	04.8	50° 05'	49° 31'	2° 34'	07	63° 29'	

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		W by S	S by W					Friday day of Feb 1875
2	5								
3	8								
4	8								
5	7		W by W	South					Strong breeze and pleasant at 1 PM store ship to the Westward at 8 wind light
6	7								
7	6		W by S	S by W					Middle part light breeze from the Southward at 11 wore ship to the Eastward at 12 breezing at and hauling to the Westward
8	5								
9	4		West	S by W					
10	4								
11	4								Latter strong breeze at 5 hauls to S W and sea getting up took Royals at 6 AM blowing heavy at 11 took Topgalsails high sea ship labbering
12	2		S by E	S by W					
1	7								
2	9								
3	9			West					Pump attended to 49 Days out
4	9								
5	9								
6	9		S by E	S by W					
7	9								
8	9								
9	9		S by E	S by W	1/2 Pint				
10	9								
11	9								
12	9								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 34° W	11 1/2	94 1/2	62.5	51° 03'	51° 18'	2 1/2	97	65° 46'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	9		S by E	S by W					Saturday day of Feb 1875
2	9								
3	9								
4	9								
5	7								Strong breeze and high sea at noon wearing set Topgalsails at 3 Royals and light stay sails at 8 wind very light
6	3								
7	4								
8	3								
9	2								Middle part at 8 calm and continued so untill 1 PM then light breeze from S E and ship moved to the Eastward at 3 hauls to the Northward
10	0								
11	0								
12	0								
1	1								Latter light breeze from the Northward
2	3		S by E	S by E					
3	4								
4	4								
5	4			North					Pump attended to 50 Days out
6	4								
7	4								
8	4								
9	4			N by W					
10	4								
11	4								
12	4								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 7° W	100	98 3	11 1/2	52° 32'	52° 40'	2 1/2	19	63° 59'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday day of 28 Feb	1873
						Air.	Water.				
1	5		South	NW							
2	5										
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	5										
10	5										
11	5			W h W							
12	5										
1	5										
2	5										
3	5			N W							
4	5										
5	5										
6	5										
7	5			North							
8	5										
9	5	SE									
10	5										
11	5										
12	5										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 16 W	115	110.8	30.5	54° 30'	54° 15'	2 D	51	64° 50'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday day of 1 March	1873
						Air.	Water.				
1	5		SE	North							
2	5										
3	5										
4	5										
5	5										
6	4		SE	NW							
7	1										
8	1										
9	1										
10	2										
11	1										
12	1										
1	7		S by W	W h W							
2	8										
3	8		S W								
4	8										
5	8										
6	7										
7	7										
8	7										
9	7										
10	7										
11	7										
12	7		S W by S	North							

Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 14 W	93	38.0	73.1	54° 41'	2 D	128	65° 35'	

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	7		S W	North					Tuesday day of 2 March 1857
2	7								These 24 hours commenced with fresh breeze and pleasant at 5 wind hauled to S W and breezing took light sails Cape Horn in sight by compass S W dist 20 miles
3	7								
4	7								
5	7								
6	7		S S E	S W					
7	8		S S E						Middle part moderate gale and high sea with very heavy squalls at 9 took in Jib and F. Jib at 4 AM fresh gale and heavy squalls with high sea took in Main sail and reefed Top sails several sail in sight giving the same and the boat to the Eastward Pump attended to 53 Days out
8	8		S by W	West					
9	8								
10	6		S S W	W by N					
11	6								
12	6								
1	6								
2	6								
3	6								
4	6								
5	5		S S E		2 TP				
6	1				" "				
7	1				" "				
8	1				" "				
9	1				" "				
10	4				" "				
11	4				" "				
12	1				" "				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 39 W	133	103.3	82.8	57° 21'	57° 21'	2 TP	148	68 03	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		S S W	W by N					Wednesday day of 3 March 1857
2	6								At 1 reefed main sail and set it blowing heavy and high sea at 4 moderating all the two Barks in company
3	6								
4	6								
5	5								
6	5								
7	5								Middle part wind dying out and sea going down at 1 AM calm at 3 breeze from the Northward all suitable sail set
8	5								
9	1								
10	1								
11	1								
12	1								Latter part light breeze from the Eastward up to 8 AM the breeze freshening and fine rain at 12 noon set Topmast and lower Studding sails
1	1								
2	1								
3	0								
4	2		W S W	N W W					
5	2								Pump attended to 54 Days out
6	2								
7	2		W by S	East					
8	2								
9	6								
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 64 W	90	39.4	80.7	58 00		2 East	152	70 33	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday ^{day of} March 1875
						Air.	Water.			
1	7		West	East					Fresh breeze from the Eastward and thick with rain at took in Studd sail.	
2	7									
3	7									
4	8									
5	8								Middle part at 8 strong breeze with heavy squalls took in light sail until hauling to the Southward 10 took fore and main topgalsails at 2 AM made at 10 Sat Topgalsails	
6	8		W 1/2 S							
7	9									
8	10			SSO						
9	10								Latter part at 6 breeze dying out and hauled to S O all sail set at 11 AM now ship to the Southward wind light and pleasant	
10	10		West	SO						
11	10									
12	10									
1	10								Pump attended to	
2	10									
3	7			SSO						
4	7									
5	7								55 Days out	
6	6									
7	5		WhW	SW						
8	5									
9	5		hW 1/2 h	WSO						
10	5									
11	1									
12	1									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 63 W	172	78.1	154.3	56° 42'	56° 18'	2 1/2	284	75° 19'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Friday ^{day of} March 1875
						Air.	Water.			
1	5		SW 1/2 W	NW					Moderate breeze from the Northward and Westward and pleasant at 2 breeze freshening at 7 wind hauled to the Northward and overcast with drizzling rain	
2	5									
3	7									
4	7		WSO							
5	7								Middle part 9 PM wind hauled to the Eastward at 12 breeze dying out	
6	7									
7	7									
8	7		West	North						
9	7								Latter at 6 AM calm and continued to the rest of these 24 hours	
10	7			East						
11	7									
12	6									
1	6								Pump attended to	
2	6									
3	1									
4	3									
5	3								56 Days out	
6	3									
7	0			Calm						
8	0									
9	0									
10	0									
11	0									
12	0									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 78° W	172	20.8	99.4	56° 28'	56° 33'	2 1/2	178	78° 17'	

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	3		S S W	West					Saturday ^{day of} March 1875 Light baffling breeze from the Westward at 2 PM wore ship to the Northward breeze freshening at 7-30 wore ship to the Southward
2	3								
3	1		N N W						
4	5								
5	5		N by W						Middle part wind not steady I wore ship to the Northward at 3:30 AM wore ship to the Southward.
6	3								
7	5		N 1/2 W	W by N					
8	2								
9	4		S S W	West					Latter part strong breeze and high sea at 1 PM in fore & Mizzen topgalsails and 4th masts head sea
10	4		N N W						
11	6								
12	6								
1	6								Pumps attended to
2	6								
3	3		N 1/2 W						
4	6		W S W	N W					
5	7								37 Days out
6	7								
7	7								
8	7								
9	7		S W by W						
10	5								
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W 1/2 W	75	45.1	57.7	55° 38'		2 TP	10.4	82° 00'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		S W by W	W by N					Sunday ^{day of} March 1875 Strong breeze and high sea at 2 PM took in Main topgalsail at 7 fresh gale and high sea reefed Main sail and furl'd Upper Miz topail
2	5								
3	5								
4	5								
5	5								Middle part the same to 12 mid night then moderating at Main topgalsail and Miz topail
6	5								
7	5								
8	5								
9	5								Latter part breezing on again at 9 AM wore ship and took in Main topgalsail at 12 noon whole gale and high sea furl'd Upper topails and main sail and 4th very high sea getting up
10	5								
11	5								
12	5								
1	5								Pumps attended to
2	5								
3	5								
4	5								
5	5								38 Days out
6	5								
7	5								
8	5		North						
9	5								
10	4								
11	4								
12	4								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
West	81	00	81.0	55° 38'	55° 42'	2 TP	14.2	82° 22'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday day of March	1875
						Air.	Water.				
1	2		N by W	West	5 Points				Commenced with whole gale and high sea hove to under close reefed Fore & Main Topsails & Mast stay sail & all Main Spencer continues to blow. At 12 midnight moderating and sea going down some at 6 made sail as required		
2	2				" "						
3	2				" "						
4	2				" "						
5	2				" "						
6	2				" "						
7	2				" "						
8	2				" "						
9	2				" "						
10	2				" "						
11	2				" "						
12	2				" "						
1	2				" "				Batter part fresh breeze from the Westward with heavy swell		
2	2				" "						
3	2				" "						
4	2				" "						
5	2				" "				Pump attended to		
6	2				" "						
7	2		N by W	W					59 Days out		
8	2										
9	3										
10	3										
11	3										
12	3										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 39° E	51	38.7	31.9	53° 02'	53° 00'	2 P	58	81° 24'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday day of March	1875
						Air.	Water.				
1	4		N 1/2 W	W by N					Fresh breeze and pleasant with heavy swell from S W a bark in sight going to the Eastward. 7 P. M. wind hauling more to the Southward and breeze freshening and squally		
2	4										
3	5										
4	5		N by W	West							
5	5										
6	5										
7	6		W by W	S W							
8	6										
9	7										
10	7										
11	7										
12	7			South							
1	8								Middle part strong breeze and squally all suitable sail set sea still keep up		
2	8										
3	8										
4	8										
5	8								Batter strong breeze from S W and cloudy		
6	8										
7	8								Pump attended to		
8	8										
9	8										
10	8										
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 35° W	15 1/2	124.5	86.0	52° 56'	52° 45'	2 P	147	82° 20'	

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	8		Wh W	SW					Fresh breeze and overcast with heavy squalls
2	8								
3	8		nW by W	SW by W					
4	8								
5	8								
6	8								Middle part wind not steady and very squally at 9 PM took Royals 10 Mizzen Top gal sail & St. Gib wind hauling more to the Westward
7	8								
8	8		nn W & W						
9	8								
10	8								
11	8								Latter thick with fine rain sat St. Gib Miz Top gal sail and Main Royal
12	8								
1	8		nn W	West					
2	7								
3	7								
4	7								Pump attended to
5	7								
6	7								
7	6								
8	6								
9	6		n by W	W by N					61 Days out
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 11° W	165	162°	30.9	50° 03'		2 1/2	50	82° 50'	8

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	7		n by W	West					Strong breeze from the Westward and overcast with rain squalls at 1 PM sat Royals and Top gal stay sail wind unsteady
2	7								
3	7								
4	7								
5	6								
6	6								Middle part wind hauling more to the Northward at 4 AM wore ship to the Southward
7	5		North	WNW					
8	5								
9	5								
10	5								
11	5		n by E	nW by W					Latter Strong breeze with rain at 1 PM wore ship to the Northward all sail set
12	5								
1	5								
2	5								
3	5								
4	5								Pump attended to
5	5		W by S	NNW					
6	6								
7	6								
8	6								
9	8								62 Days out
10	8								
11	8								
12	3								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by W	94	91 1/2	17.9		17° 10'	2 1/2	26	83° 16'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	8		North	W by N					Friday day of 12 March 1875 Strong breeze and pleasant at 11 moderating a little commenced scraping at the Mizzen
2	8								
3	8								
4	7								
5	6		N 2 E						
6	6								Middle part at 12 wind hauled more to the Westward at 4 A.M. hauled back
7	6		North						
8	6								
9	6								
10	6								
11	6								Latter part fresh breeze and pleasant at 7 A.M. hauled back. Gunny Boat bound to the Southward crew scraped carpenter planing main mast
12	6		N 4 E	W by S					
1	6								
2	6								
3	6								
4	6								Pump attended to
5	6		N by E						
6	6								
7	6								
8	6								
9	6		North						63 Days out
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by E 1/2 E	150	143.1	43.0	45° 17'	45° 14'	2 TP	62	82° 12'	82° 00'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		N 1/2 E	W N E					Saturday day of 13 March 1875 Strong breeze with passing rain squalls at 2 P.M. breeze freshening with heavy squalls took in Royals crew scraping
2	7								
3	8								
4	8								
5	8								
6	8								Middle part strong breeze and heavy squalls and sea getting up at 1 A.M. took in Mizzen topgall sail and St. Albans increasing at 2 took in Fore topgall sail wind hauling more to the Westward
7	9								
8	9								
9	10		N by E	W by N					
10	10								
11	10								Latter fresh breeze and pleasant all sail set crew employed as before
12	10		N N W	West					
1	9								
2	9								
3	9								
4	9								Pump attended to
5	8								
6	8								
7	8								
8	7								
9	7								64 Days out
10	7								
11	7								
12	7								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by E	195	181.5	38.0	42° 03'	42° 07'	2 TP	83	81° 08'	

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	7		N by W	W by N					Sunday day of March 1875 Fresh breeze and overcast with passing rain squalls crew scraping
2	7								
3	7								
4	7								
5	6		N by W	West					Middle part the same
6	6								
7	6								
8	6								
9	6		N by W						Latter light and baffling a ship in company
10	6								
11	6								
12	6								
1	5		N W	W 8 W					Pumps attended to
2	5								
3	5								
4	5								
5	5								65 Days out
6	5								
7	5								
8	5								
9	5		N by W						
10	2								
11	4								
12	4								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	126	126		40° 01'	40° 00'	2 W	11	81° 08'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		N by W	W by N					Monday day of March 1875 Moderate breeze and pleasant at 6 AM carried away truss to Main Top gal yard
2	5								
3	6								
4	6								
5	6								Middle part the same with passing rain squalls at 2 PM wind hauling more to the Southward
6	6								
7	6								
8	6								
9	6								Latter part fresh breeze and overcast crew scraping yards Pumps attended to
10	6								
11	6								
12	6								
1	7								66 Days out
2	7		N W	W 8 W					
3	7								
4	7		N by W						
5	7								
6	7								
7	8								
8	8		N by W						
9	8								
10	8								
11	8								
12	8								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 1/4 E	155	1588	07.1	37° 21'	37° 17'	2 W	1 1/2	80° 18'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday	day of March	1875
						Air.	Water.					
1	7		NW by W 20	WSW								
2	6											
3	5											
4	5											
5	5											
6	5			SSW								
7	5											
8	5											
9	5											
10	5			SS								
11	5											
12	5											
1	4											
2	4											
3	4											
4	4											
5	4											
6	4											
7	4											
8	4											
9	4											
10	4											
11	4											
12	4											

Fresh breeze to 2 PM then breeze dying out at 6 am and light and hauling to the Southward. Killed a pig

Middle part light breeze at 10 hauled to SE sat Studd sails

Latter light breeze and pleasant shifted Lower Mizen Topsail scraping Spanker Boom

Pumps attended to

67 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	111	78 5'	78 5'	35 38	35 32	1 1/2	9 1'	82 23'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday	day of March	1875
						Air.	Water.					
1	4		NW by W 20	SSW								
2	3											
3	3											
4	3											
5	3											
6	4											
7	4											
8	4											
9	4											
10	5											
11	5											
12	5											
1	6											
2	6											
3	6											
4	6											
5	6											
6	5											
7	5											
8	5											
9	5											
10	5											
11	5											
12	5											

Light breeze from the Southward and Eastward and pleasant shifted Fore & Main sails

Middle & Latter the same crew scraping

Pumps attended to

68 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	114	80 6	80 6	34 36	34 30	1 1/2	9 8	84 03'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		W h W	SE					Thursday ^{day of} 18 March 1857
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								
1	4								
2	4								
3	4								
4	4								
5	4								
6	4								
7	4								
8	4								
9	4								
10	4								
11	4								
12	4								

These 24 hours light breeze from the S and Pleasant crew scraping and oiling spars

Pumps attended to

69 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	108	76 1/4	76 1/4	33° 14'	33° 13'	2 TP	9 1/2	85° 33'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	4		NW by W 2/3 W	SE					Friday ^{day of} 19 March 1857
2	4								
3	4								
4	4								
5	4								
6	4								
7	4								
8	5								
9	5								
10	5								
11	5								
12	5								
1	5								
2	5								
3	5								
4	5								
5	4								
6	4								
7	4								
8	2								
9	0								
10	0								
11	0								
12	0								

First and Middle part light air from the S and Pleasant

Latter the same to 8 AM then calm finished scraping

Pumps attended to

70 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	87	61 1/2	61 1/2	32° 14'	32° 19'	1 1/2	72	86 41'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	4		N by W 20	W by S					These 24 hours light breeze from the Westward and pleasant cleaning up of half deck
2	4								
3	4								
4	4								
5	4								
6	4								
7	4								
8	4								
9	4								
10	4								
11	4								
12	5								
1	5								Pump attended to 71 Days out
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	112	112	10	30° 23'	30° 22'	1/2		86° 47'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		N 1/2 W	W by N					These 24 hours light baffling breeze from the Westward and pleasant
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	5								
10	5								
11	5								
12	5								
1	5								Pump attended to 72 Days out
2	4								
3	4								
4	4								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by E	112	114.8	22.8	28° 27'	28° 31'	1/2	26	86° 27'	86° 56'

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	3		N by W 1/2 W	West					Monday ^{day of} 22 March 1875 Light baffling breeze from the Westward and pleasant at 8 hauling more to the southward and eastward set Topmast and Lower Studd Sails
2	3								
3	3								
4	3								
5	3								
6	3								
7	3								
8	3			S W					
9	2								
10	2								
11	2								
12	2								
1	3		N W	South					Ditto at 10 jibed ship and set Studd Sails on Port Starboard side crew painting half deck Pumps attended to 73 Days out
2	3								
3	3								
4	3								
5	3								
6	3								
7	3			S E					
8	3								
9	3								
10	2								
11	2								
12	2								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 14° W	63	61.1	15.4	25° 30'	25° 25'	1 1/2	13	87° 13'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	3		N W	N E by N					Tuesday ^{day of} 23 March 1875 Light baffling breeze from the Westward and pleasant crew painting half deck
2	3								
3	3								
4	3								
5	4								
6	4								
7	4			N E					
8	4								
9	5								
10	5								
11	6			E N E					
12	6								
1	6								Ditto part moderate trade and pleasant crew oiling spars and moly stoning half deck Pumps attended to 74 Days out
2	6								
3	6								
4	6			S E					
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N N W 1/2 W	123	108.5	38.0	25° 37'	25° 28'	1 1/2	61	88° 18'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		NW by W	SE					Wednesday ^{day of} 24 March 1875 Light trials and pleasant crew variously employed
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5		NW						Pumps attended to
9	5								
10	5								
11	5								
12	5								
1	4								
2	4								
3	4		NW by E						75 Days out
4	4								
5	4								
6	4								
7	4								
8	4								
9	5								
10	5								
11	5								
12	4								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 4 1° W	110	83.1	72.9	21° 05'		1° P	80	89° 38'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	4		NW by W	SE					Thursday ^{day of} 25 March 1875 Light trials and pleasant crew variously employed
2	4								
3	4								
4	4								
5	4								
6	4								
7	4								
8	4								Midday part the same at 11 p.m. ship and set Studd sails on Port side
9	4								
10	4								
11	4								
12	5								
1	5								
2	5								
3	5								Latter shifted Studd sail on Starboard side painting iron work aloft
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								Pumps attended to 76 Days out
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 20	108	177.1	177.5	22° 48'	22° 41'	1° P	84	91° 02'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1	5		NW	SE					Light trail through there 24 hours and pleasant crew variously employed	Friday	2
2	5										
3	5										
4	5										
5	5										
6	5		NW by W								
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										
1	5								Pump attended to		
2	5										
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 42° W	120	88.0	81.1	21° 13'	No	1 1/2°	88	92° 30'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1	5		NW by W	SE					These 24 hours light trails and pleasant	Saturday	2
2	5										
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										
1	5								Latter part commenced tarring down carpenter calling top of after house		
2	5										
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 80	128	90.5	90.5	19° 48'	19° 54'	1 1/2°	96	94.6	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday day of 28 March 1875
						Air.	Water.			
1	5		NW by W	SE					Light trade and pleasant throughout these 24 hours crew employed as before	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									
1	5								Pump attended to	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									

79 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	120	84.9	84.9	18 29	18 28	17P	90	95° 36'	96° 23'
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		NW by W	SE					Monday ^{day of} 29 March 1875
2	5								
3	5								
4	5								
5	5								
6	5								
7	5		NW						Light trade and pleasant throughout these 24 hours
8	5								
9	6								
10	6								
11	6								
12	6								
1	6		NW by W						Carpenter calking and crew finished tarring
2	6								
3	6								
4	6								
5	6								
6	6								
7	6		NW 1/2 W						Damp attended to
8	6								
9	6								
10	6								
11	6								
12	6								
									80 Days out
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW 1/2 N	135	104.9	85.9	18 43	16 32	17P	90	97° 53'	

80 Days out

Pump attended to

Carpenter calking and crew finished tarring

Light trade and pleasant throughout these 24 hours

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	E		NW 2W	SE by E					Tuesday day of 30 March 1875
2	E								
3	E								Moderate trade and pleasant
4	E								
5	E								
6	E								
7	E		NW by E						
8	E								Middle breeze freshening with falling rain squalls
9	E								
10	E								
11	E								Better part the same crew variously employed
12	E								
1	E								
2	E								
3	E								
4	E								
5	E								
6	E								Drum attended to
7	E			ESE					
8	E								
9	E								
10	E								81 Days out
11	E								
12	E								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 44° W	153	111.9	106.8	14° 40'	14° 36'	17°	110	99° 43'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	7		NW	ESE					Wednesday day of 31 March 1875
2	7								
3	7								
4	7								Fresh trade and pleasant crew variously employed
5	7								
6	7								
7	7								
8	7								Middle & better the same
9	8								
10	8								
11	8								Drum attended to
12	8								
1	8								
2	8								
3	8								
4	8								82 Days out
5	8								
6	8								
7	8								
8	8								
9	7								
10	7								
11	7								
12	7								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 90° by N	180	149.7	100.0	12° 02'	12° 00'	17°	10' 3"	101° 26'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday day of 1 April 1875
						Air.	Water.			
1	7		NW	ESE					Fresh trades and pleasant crew variously employed	
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	8									
10	8									
11	8									
12	8									
1	8								Middle & Latter the same	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
									Pump attended to	
									8 3 Days out	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW 1/4 N	184	1 1/2, 8	109, 5	9° 32'	9° 32'	3/4	111	103 1/2	104-20

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday day of 2 April 1875
						Air.	Water.			
1	8		NW 1/4 N	SE by E					Fresh trades and pleasant crew variously employed	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	7									
11	7									
12	7									
1	7								Pump attended to	
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	F									
10	F									
11	F									
12	F									
									8 1/2 Days out	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNW 1/4 W	178	1 1/2, 4	24.0	6° 53'	6° 48'	3/4	7 1/2	106° 56'	107° 12'

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		NE by N	SE					<p>These 24 hours light hands and pleasant crew scrubbing paint work.</p> <p>Pump attended to</p> <p>85 Days out</p>
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								
1	6								
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NE by N	144	130.2	61.5	4° 36'	4° 18'	2 1/4	6° 3'	108 15'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		NE by N	SE by E					<p>First part light and pleasant crew scrubbing paint</p> <p>Middle part breeze freshening and squally</p> <p> Latter fresh breeze and pleasant</p> <p>Pump attended to</p> <p>86 Days out</p>
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6		NE by N	SE					
9	6								
10	6								
11	6								
12	6								
1	6								
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6		NE	SE					
9	6								
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NE by N	158	140.0	71.9	2° 28'	2° 22'	1 1/2	7° 3'	109 28'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday ^{day of} April 1875
						Air.	Water.			
1	6		NW 2h	ESS						
2	6									
3	6									
4	6									
5	6									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5			East						
1	5									
2	5									
3	5									
4	5									
5	5									
6	5									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Moderate breeze and pleasant

Middle part wind hauled more to the Eastward not steady crew variously employed

Pump attended to

87 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW 2h	131	108.9	72.8	33.8	2.5	1/2	7.3	110° 41'	111° 49'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday ^{day of} April 1875
						Air.	Water.			
1	7		NNE	E by N						
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7									
12	7									
1	7									
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7									
12	7									

These 24 hours fresh breeze from the Eastward and pleasant crew variously employed

Pump attended to

88 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNE 2h	168	160.8	48.8	2° 15'	2° 23'	1/2	3° 0'	112° 39'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		h h 20	East					Wednesday day of April 1875
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	3								
1	5								
2	5								
3	5								
4	5								
5	5								
6	5								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								

Moderate breeze and pleasant throughout the 24 hours at 12 wind hauled to h o crew painting on main deck

Pumps attended to

89 Days out

h o h o

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h by W 1/2 E	137	129 0	46.2	1 57	1 57	1/2	47	113 26	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		h by W 1/2 E	h o					Thursday day of April 1875
2	6								
3	6								
4	7								
5	7								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								
1	8								
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								

Fresh breeze and pleasant at 2 PM took in studding sails crew painting

Middle part strong breeze and sea getting up and squally

Later strong breeze and squally

Pumps attended to

90 Days out

h o h o

h o 1/2 h h o

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h 15 0 E	182	175.7	47.5	7 43	7 43	1/2	49	114 13	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	8		NW 1/2 N	NE					Friday day of 9 April 1875 Strong breeze and squally with nasty head sea at 6. Look in light sails crew variously employed Middle part the same Latter strong breeze and pleasant sea still keep up crew busy stowing top of after house Pumps attended to 91 Days out
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								
1	8		NW	NE by E					
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 35° W	192	157.3	109.2	10° 2' 0"	10° 2' 1"	1/2	111	116° 06'	
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	8		NW	NE by E					Saturday day of 10 April 1875 Strong breeze and squally and high head sea crew worked as before Middle part sea going down sat the Royals Latter sea going down and pleasant all sail set crew busy stowing half deck Pumps attended to 92 Days out
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								
1	8		NW 1/2 N	NE					
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 37° W	190	154.0	114.2	12° 55'	12° 37'	1/2	176	118° 02'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday ^{day of} April 1875
						Air.	Water.			
1	8		NW	hh E					Strong breeze and pleasant all sail set crew employed as before	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8								Middle & Latter the same	
10	8									
11	8									
12	8									
1	8								Pumps attended to 93 Days out	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8		NW 1/2 W							
10	8									
11	8									
12	8									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 40 W	193	146.3	124.5	15° 24'	15° 28'	42	12° 8'	120° 10'	122° 30'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday ^{day of} April 1875
						Air.	Water.			
1	8		NW 1/2 W	hh E					Strong breeze and pleasant up to 8 PM then breeze dying out	
2	8									
3	8									
4	8									
5	8								Middle part light baffling breeze and squally	
6	8									
7	8									
8	8									
9	7								Latter part the same crew variously employed	
10	6									
11	6									
12	6									
1	6								Pumps attended to 94 Days out	
2	5									
3	5									
4	4									
5	4		NW 1/2 W							
6	4									
7	4									
8	4									
9	4									
10	4									
11	3									
12	3									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 43° 10'	138	100.4	95.3	17° 08'	17° 10'	3/4	100	124° 10'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	4		h 90	h h E					Tuesday ^{day of} 13 April 1875 Light baffling breeze and pleasant crew employed as before
2	4								
3	4								
4	4								
5	4								
6	4								
7	4								
8	5		h 20 20						Middle & Latter the same
9	5								
10	5								
11	3								
12	2								
1	2								
2	2								
3	2		W by N N by E						Pump attended to 98 Days out
4	2								
5	2								
6	3								
7	3								
8	3								
9	3								
10	3								
11	2								
12	2								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 44° 30'	75	54 5'	52 3'	17° 51'	17° 40'	3/4	56	125° 06'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	2		W by N N by E	h by E					Wednesday 14 April 1875 Light baffling air from the Westward and pleasant holy storming & gale force
2	2								
3	2								
4	2								
5	2								
6	2								
7	2								
8	2		W N E North						Middle part the same
9	3								
10	3								
11	3								
12	2								
1	1								
2	0								
3	2		h by W h by E						Latter part at 4 AM very freshening holy storming top of Stewart house
4	1								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5		h h E h E						Pump attended to 96 Days out
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 41° 30'	66	49 8'	43 8'	18° 29'	18° 33'	1/2 mile	47	125° 53'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday ^{day of} April 1875
						Air.	Water.			
1	4		N by W	N E by E						
2	4									
3	4									
4	4									
5	4									
6	4									
7	4									
8	4									
9	3									
10	3									
11	3									
12	3									
1	3		N W by N	N E by N						
2	3									
3	3									
4	3									
5	4									
6	4									
7	4									
8	4									
9	4									
10	4									
11	3									
12	3									

Light baffling breeze and pleasant crew variously employed

Middle part the same

Scatter breeze freshening and pleasant painting ship in side

Pumps attended to

97 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 12° W	80	78 5	17.5	19° 31'	19° 54'	1 TP	19	12° 12'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday ^{day of} April 1875
						Air.	Water.			
1	5		N W by W	N by E						
2	5									
3	5									
4	5									
5	5									
6	5									
7	5		N N W	N E						
8	5									
9	5									
10	5									
11	5									
12	5									
1	5									
2	5									
3	5									
4	5									
5	5		N W by N	N E by N						
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									

Moderate breeze and pleasant throughout these 24 hours

Pumps attended to

98 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 23° W	118	107 2	48.5	21 42	22 05	1 TP	50	12° 12'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday day of 17 April 1875
						Air.	Water.			
1	6		11 N E	N E						
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									
1	5									
2	2									
3	2									
4	2									
5	5									
6	6		11 N W 1/2 W							
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Light baffling breeze and pleasant painting ship out side

Middle part the same up to 1 am wind strong out at 4 buzzing up again with falling rain squalls

Latter part the same passed several rogs

Camp attended to
99 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 13° E	130	12 55	29.4	21 11	21 13	11 P	32	127 34	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday day of 18 April 1875
						Air.	Water.			
1	6		N by W	N by E						
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6		11 N W							
12	6									
1	6									
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Moderate breeze and pleasant crew variously employed

Middle & Latter the same

Camp attended to
100 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 23° E	132	12 19	30.5	21 03	21 12	11 P	34	128 28	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		h n w	h e					Monday ^{day of} 19 April 1875 Light buffing breeze and pleasant at times, full breeze and then a calm with very unsteady
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								
1	3								Middle & Latter the same Pump attended to 101 Days out
2	3								
3	3								
4	3								
5	3								
6	2								
7	1								
8	4								
9	1								
10	3								
11	3								
12	3								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h by w	100	98.1	19.5	29° 34'	29° 34'	11° P	22	128° 30'	130° 30'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	1		h w by h	h e by h					Tuesday ^{day of} 20 April 187 Light buffing breeze from the Northward and Eastward and pleasant crew variously employed Middle part wind hauling more to the Eastward at 4 AM to S E Latter part light breeze from the Southward & at studd sails on starboard side Pump attended to 112 Days out
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								
1	5		North	h n e					
2	1								
3	1								
4	1			S E					
5	1								
6	1								
7	1								
8	1								
9	1								
10	1			S S E					
11	1								
12	1								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				29° 34'	29° 17'	11° P	15	130° 45'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		Nly E	SE					At 12-30 ybed ship and sat steel sails on Port side finished painting out side at 6 wind hauled more to the Southward
2	3								
3	5								
4	5								
5	5								
6	5								
7	5			South					Middle part the same breeze freshening a little and overcast
8	5								
9	5								
10	5								
11	6			SE					
12	6								
1	6								Batter fresh breeze with drizzling rain moly storming main deck
2	6								
3	6								
4	7								
5	7								
6	7			SE					
7	7								Pumps attended to
8	7								
9	7								
10	8								
11	8								
12	8								

103 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	146	14'		31° 43'		1° 10'		130° 45'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		North	SE					Moderate breeze from the Southward and Westward and working to the Northward
2	6								
3	6								
4	6								
5	6								
6	5								
7	5		N 1/2 E	WNW					Middle part wind hauled to NE and light
8	5								
9	5		NNE	NW					
10	5								
11	5								
12	5								
1	5								Batter more to the Northward a sail in sight standing the same way crew variously employed
2	5								
3	5								
4	5		NE	NNE					
5	6								
6	6								
7	6								Pumps attended to
8	6								
9	6								
10	6		N 1/2 E	N 1/2 W					
11	6								
12	6								

104 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 37° E	123	98.3	75.1	33° 18'	33° 00'	1° 10'	8' 8"	128° 16'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday ^{day of} April 1873
						Air.	Water.			
1	5		NW 1/2 W	h h E					At 12 30 wind hauled wore ship to the Westward heavy swell from the Northward	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5								Middle part not steady and light	
8	5									
9	5		NW 1/2 h	h E h						
10	5								Batter the same crew variously employed	
11	5		NW 1/2 h							
12	5									
1	5									
2	5								Pumps attended to	
3	5									
4	5									
5	5									
6	5								108 Days out	
7	5									
8	5									
9	5		NW 1/2	h E						
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 27° W	114	101.1	52.3	34° 41'	34° 15'	12°	12	129° 18'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday ^{day of} April 1873
						Air.	Water.			
1	5		NW	h h E					Light baffling breeze from NE and pleasant at 2 PM wind hauled wore ship to the Eastward	
2	5									
3	5		E 1/2 N	h E						
4	5									
5	5									
6	5									
7	5								Middle part the same	
8	5									
9	5									
10	5								Batter part at 4 P.M. wind hauled to the Westward crew variously employed	
11	5									
12	5									
1	5									
2	5								Pumps attended to	
3	5									
4	5									
5	5		h E	NW 1/2						
6	5								106 Days out	
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 77° E	96	21.5	93.3	35° 15'	34° 58'	1 1/2	11 3	122° 25'	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		h e l h	h e d					Sunday ^{day of} 25 April 1875 - Fresh breeze from the North West with heavy swell crew variously employed
2	5								
3	5								
4	5								
5	5								
6	7								
7	7								
8	7								
9	7								
10	7								
11	8								
12	8								
1	8								Middle part the same
2	8								
3	7								
4	7								
5	7								
6	7								
7	7								Latter part the same
8	7								
9	8								
10	8								
11	7								
12	5								
									Pumps attended to
									107 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h e l h	166	92.2	138.0	34 30	34 33	2 1/2	149	124 34	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	7		h h e	h w l y d					Monday ^{day of} 26 April 1875 - Fresh breeze and pleasant bent the chains and got the anchors on the rail
2	8								
3	8								
4	8								
5	8								
6	8								
7	7								
8	5								
9	5								
10	5								
11	5		h e l h h e						
12	5								
1	5								Middle part moderate and wind hauling more to the Northward
2	5								
3	5								
4	5								
5	5								
6	5								
7	3								Latter part light breeze and heavy swell at 9 calm and ship rolling heavy
8	2								
9	2								
10	0								
11	0								
12	0								
									Pumps attended to
									108 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h e	129	88.1	88.7	58 02		1 1/2	112	122 44	

Journal from New York towards San Francisco

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
									Tuesday ^{day of} April 1875
1	2		By 8						Light air and very heavy swell
2	2								
3	2								
4	2								
5	2								
6	2								Middle part the same
7	2								
8	2								
9	2		By 1 1/2 h						
10	2								
11	2								Latter calm two sails in sight
12	2								
1	2								
2	2								
3	2								Thinks attended to
4	1								
5	1								
6	1								
7	1								
8	1								
9	1								
10	1								
11	1								
12	1								

Course.	Distance.	"Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
080 $\frac{1}{4}$ E	32	10.1	80.7	37° 52'	37° 33'	1/2	38	122 15'	

[illegible][illegible]

Journal from

towards

Journal

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer
Air. Water.

Barometer.

REMARKS.

day of

187

1
2
3
4
5
6
7
8
9
10
11
12
1
2
3
4
5
6
7
8
9
10
11
12

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in.

Lon. by Ob.

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer
Air. Water.

Barometer.

REMARKS.

day of

187

1
2
3
4
5
6
7
8
9
10
11
12
1
2
3
4
5
6
7
8
9
10
11
12

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in.

Lon. by Ob.

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1									Friday 2 July At 11 AM finished loading at 12 " " dropped in the stern and crew came onboard ship draft 20.6 July 3 rd at 1 PM Pilot came onboard 2 tug came along side and took us to sea at 3 30 Pilot left at 8 Farallones four W dis 5 miles from which I took my departure fresh breeze from S E and hazy with very heavy swell from the Westward at 10 wind dying out Latter part wind light and baffling all sail set got the anchors on the board 1 Day out		
2											
3											
4											
5											
6											
7											
8	7		SW	SE							
9	7										
10	6										
11	6										
12	5										
1	4										
2	4										
3	4										
4	3										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW by W	67	37.2	55.7	37 15'		1 P	89	121 30'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1									Sunday 2 July Light airs and calms with thick fog through out these 24 hours Pumps attended to 2 Days out		
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	55	55		36 30'		1 Point		121 30'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday day of July	1875
						Air.	Water.				
1	0										
2	0										
3	0										
4	2		Sby E	Sby W							
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	1										
12	1										
1	1										
2	6			S E							
3	6										
4	6										
5	6										
6	6			West							
7	6										
8	6										
9	6										
10	6										
11	5										
12	5										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	96	96	110	32 54		1 P			121 30

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday day of July	1875
						Air.	Water.				
1	5		Sby E & E	W							
2	5										
3	6										
4	6										
5	6										
6	6										
7	6										
8	6										
9	6										
10	6										
11	6										
12	6										
1	6										
2	6										
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	132	132		32 42	40	1 1/2			

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday day of July 1875
						Air.	Water.			
1	5'		Sly 8							
2	5'									
3	5'									
4	5'									
5	5'									
6	5'									
7	5'									
8	5'									
9	5'									
10	5'									
11	5'									
12	5'									
1	5'									
2	5'									
3	5'									
4	5'									
5	5'									
6	5'									
7	5'									
8	5'									
9	5'									
10	5'									
11	5'									
12	5'									

Light baffling breeze and overcast thought these 24 hours crew variously employed

5 Days out

Baffling from the Northward and Waterward

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	120	12°0		30°42'	32°-14'	1°P		121°50'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday day of July 1875
						Air.	Water.			
1	5'		Sly 8							
2	5'									
3	1'									
4	1'									
5	1'									
6	1'									
7	1'									
8	3'									
9	3'									
10	3'									
11	3'									
12	3'									
1	3'									
2	3'									
3	3'									
4	3'									
5	3'									
6	3'									
7	3'									
8	3'									
9	3'									
10	3'									
11	3'									
12	3'									

Light baffling breeze from the Northward and overcast thought these 24 hours crew variously employed

Trump attended to

6 Days out

Baffling from N to North and very light

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	82	8°2		30°54'	No	1°P			

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday ^{day of} July	1875
						Air.	Water.				
1	3		Sby E								
2	3										
3	3										
4	3										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										
1	3										
2	3										
3	3										
4	3										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										

First and Middle part light
baffling air from the Northward
and overcast with light rain
squalls

Latter light baffling air and
pleasant

Pump attended to

7 Days out

Light Baffling air from the Northward

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	72	72		29° 42'	29° 31'	1° 11' 00"		121° 30'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday ^{day of} July	1875
						Air.	Water.				
1	3		Sby E	N by W							
2	3										
3	3										
4	3										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										
1	3										
2	3										
3	3										
4	3		SSE								
5	3										
6	1										
7	1										
8	1										
9	5										
10	5										
11	5										
12	5										

Light baffling breeze from the
Northward and pleasant
shifted upper main topsail and
main sail

Middle part the same

Latter part jibed ship and
sat stud sails on the Port side

Pump attended to
8 Days out

SSE

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 50° E	83	82.0	07.1	28° 09'	28° 15'	11°	09	122° 00'	122° 10'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday ^{day of} 12 July 1875
						Air.	Water.			
1	L		SS E	h h 20						
2	L									
3	L									
4	L									
5	S			North					Light breeze and pleasant	
6	S								at 4 hauling more to the	
7	S								Northward	
8	S									
9	S									
10	S								Middle part breeze freshening	
11	L									
12	L									
1	L									
2	L									
3	L									
4	L									
5	L									
6	L								Latte haul'd to N E with	
7	L								moderate trade crew employe	
8	L								cleaning chain plait	
9	L			NE					Pumps Attended to	
10	L								9 Days out	
11	L									
12	L									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	130	127.5'	25.4	28° 09'	28° 11'	11°	28	127.47	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday ^{day of} 13 July 1875
						Air.	Water.			
1	L		SS E	h E						
2	L									
3	L									
4	L									
5	L									
6	L									
7	L									
8	L									
9	L									
10	L									
11	L									
12	L									
1	L									
2	L									
3	L									
4	L									
5	L									
6	L									
7	L									
8	L									
9	L									
10	L									
11	L									
12	L									

Course.	Distance.	Diff. of Lat	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	144	141.2	28.1	28° 34'	28° 32'	14° 00'	31	121 10	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday ^{day of} 14 July 1875
						Air.	Water.			
1	3		Sby E	Eby N						
2	3									
3	3									
4	3									
5	3									
6	3									
7	2									
8	2									
9	2									
10	2									
11	2									
12	2									
1	2									
2	2									
3	2									
4	2									
5	3									
6	3									
7	3									
8	3									
9	3									
10	3									
11	3									
12	3									

Breeze dying out and overcast and hauling more to the Eastward at 6 most a calm with thick fog with rain squalls

Middle & latter the same crew scraping again in Starboard atack lay up sick

Pumps attended to

11 Days out

Wind light and unsteady

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	6'2	6'2	00	22° 30'	22° 18'	1 Point		121° 41'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday ^{day of} 15 July 1875
						Air.	Water.			
1	3		Sby E	Eby N						
2	4									
3	5		SSE	N E						
4	5									
5	5									
6	5									
7	5									
8	4									
9	3									
10	3									
11	3									
12	3									
1	3									
2	3									
3	3									
4	3									
5	5									
6	5									
7	5									
8	5									
9	5									
10	6									
11	6									
12	6									

Light baffling breeze and hazy at 4 PM wind hauling more to the Westward and thick wind very unsteady

Middle part the same

Latter breeze freshening a little crew scraping

Pumps attended to

12 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
Sby E	10'3	101'3	17'8	21° 09'	No	1 Point	2° 12'	121° 21'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday day of July 1875
						Air.	Water.			
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Brought these 24 hours light baffling airs and calm crew employed as before

Pumps attended to

13 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	48	17.1	08.4	20° 22'	20° 23'		12	121° 00'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday day of July 1875
						Air.	Water.			
1	2		S by E	N E						
2	2									
3	2									
4	3									
5	3									
6	6									
7	6									
8	7									
9	7									
10	7									
11	7									
12	7									
1	7									
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7									
12	7									

Commenced with light baffling air from the NE at 5 PM breeze freshening shifted sails at 8 made at breeze and overcast

Middle part the same

Latter part wind hauling more to the Eastward took in Lower Studd sail

Pumps attended to

14 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1/4 E	143	142.8	07.0	18° 00'	18° 00'	9°	09	121° 00'	122° 00'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday ^{day of} 18 July	1875
						Air.	Water.				
1	6		Sby E	NE						Light breeze from NE and pleasant even scraping	
2	6										
3	6										
4	6										
5	6										
6	6										
7	6									Middle part the same at 11-30 carried away Topmast Studd sail Boom	
8	6										
9	6										
10	6										
11	6									Better part the same	
12	6										
1	6										
2	6										
3	6									Pumps attended to	
4	6										
5	7										
6	7										
7	7									15 Days out-	
8	7										
9	7										
10	7										
11	6										
12	6										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	150	150	114	15° 30'	15° 30'	1 Point		122 0	122-30
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	7		Sby E	ENE					Commenced with fresh breeze and pleasant at 8 PM wind hauled to the Eastward and squally took in Studding sail
2	7								
3	8								
4	8								
5	8								
6	8								
7	8								Middle and latter part the same
8	8			Eby S					
9	8								
10	8								
11	8								
12	8								
1	8								Pumps attended to
2	8								
3	8								
4	8								
5	8								16 Days out
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	190	190.0	10	122° 0'	12° 11'	1 P	00	122 8'	122 25'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	1875
						Air.	Water.			
1	8		SSE	East					Tuesday ²⁰ July	
2	8								Fresh breeze and pleasant	
3	8								up to 6 PM wind hauled to the	
4	8								southward and squally and	
5	7								wind dying out	
6	7									
7	6		SSW	SEB					Middle light air and	
8	2								calms with heavy rain	
9	2								squalls	
10	2									
11	2									
12	2									
1	2								Latter part the same	
2	2									
3	2									
4	2									
5	2								Pumps attended to	
6	3									
7	3									
8	3								17 Days out	
9	3									
10	4									
11	4									
12	4									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	92	92.2		10° 45'	11° 00'	1/2		122° 23'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	1875
						Air.	Water.			
1	7		SSE	East					Wednesday ²¹ July	
2	1								Bright breeze and heavy rain	
3	1								squalls at 6 PM wind hauling	
4	1								more to the northward and	
5	1								weather more settled	
6	1			NE						
7	1									
8	1									
9	2								Middle part at 10 breeze fresh	
10	3								sat 10 PM and 8 Lower stowed &	
11	6								sails	
12	6									
1	6									
2	6									
3	6								Latter part light and	
4	6								baffling	
5	6									
6	6									
7	5								Pumps attended to	
8	5									
9	5									
10	4								18 Days out	
11	4									
12	4									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSE	118	115.4	11.1	9° 05'	9° 15'	1/2	12	122° 13'	122° 20'

Journal from San Francisco towards New York

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer

Air. Water.

Barometer.

REMARKS.

Thursday ^{day of} 22 July

1875

1
2
3
4
5
6
7
8
9
10
11
12
1
2
3
4
5
6
7
8
9
10
11
12

1
1
1
4
5
5
5
5
5
5
5
5
4
4
4
4
3
3
3
3
3
3
3

S by E

NE

East

South ESE

SE

SE

These 24 hours commenced with light baffling breeze from NE and pleasant and continued so untill 8 PM then squally

Middle part at 2 AM wind hauled to the Eastward took in Studd Sails at 4 hauling more

Latter wind hauled more to the Southward and very light

Pumps attended to

19 Days out

Course. S 2° W

Distance. 94

Diff. of Lat. 93.1

Departure. 03.4

Lat. by D. R. 7° 12'

Lat. by Ob. 8.04

Variation. 1/2

Diff. of Lon. 04

Lon. in. 122° 24'

Lon. by Ob. 122° 25'

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer

Air. Water.

Barometer.

REMARKS.

Friday ^{day of} 23 July

1875

1
2
3
4
5
6
7
8
9
10
11
12
1
2
3
4
5
6
7
8
9
10
11
12

3
3
1
1
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5

SW by W 1/2 W

S by E

These 24 hours commenced with light baffling breeze from the Southward and squally

Middle and Latter part the same but breeze stronger

Pumps attended to

20 Days out

Course. W 8° E

Distance. 120

Diff. of Lat. 45.9

Departure. 110.9

Lat. by D. R. 7° 20'

Lat. by Ob.

Variation. 1/2

Diff. of Lon. 11' 3"

Lon. in. 124° 18'

Lon. by Ob.

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday ^{day of} July 1875
						Air.	Water.			
1	6		SW by W	SS E						
2	6									
3	6									
4	6									
5	6									
6	6									
7	6		SW 1/2 W							
8	7									
9	7									
10	7									
11	7									
12	7									
1	7									
2	7									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Fresh breeze from the Southward and squally

Middle part the same

Boatter went pleasant

Pumps Attended to

21 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 58° W	152	80.9	127.3	6° 11' N	6° 3' N	1/2	13° 0'	126° 28'	123° 10'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday ^{day of} July 1875
						Air.	Water.			
1	5		SW 1/2 W	SS E						
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5		SW							
9	5									
10	5									
11	5									
12	5									
1	5									
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5		SW	SE						
9	5									
10	5									
11	5									
12	5									

Light baffling breeze from the Southward and pleasant all sail set

Middle & Boatter part the same

Pumps Attended to

22 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 48° W	118	79.5	87.5	5° 15' N	5° 5' N	1/2	9° 0'	125° 10'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		SSW	SE					Thought these 24 hours light breeze and pleasant with strong NW current about three knots
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								
1	5								Pumps Attended to
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								

23 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW by S	120	99.8	1.5	4-19	5-11	1P	70	128-20	127-28

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		SSW 1/2 W	SE					These 24 hours commenced with light breeze from SE and pleasant
2	5								
3	5								
4	5								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								
1	6								Middle part the same
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	7								
9	7								
10	8								
11	8								
12	8								

Latter part breeze freshening

Pumps Attended to

24 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW by S	113	118.9	79.4	3-18	3-00	1/2	80	128-18	128-38

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	8		SSW 1/2 W	SE					Wednes day 28 July 1875 Fresh trade and pleasant at 8 wind hauling more to the Eastward and more slowly a little
2	8								
3	8								
4	8								
5	8								
6	8								
7	8		SSW						
8	8								
9	8		S by W	SE 1/2 E					
10	7								
11	7								
12	7								
1	7								Thurs day 29 July 1875 Pump Attended to 25 Days out
2	7								
3	7								
4	7		South	SE					
5	7								
6	7								
7	7								
8	7								
9	7								
10	7								
11	7								
12	7								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 15° W	188	181.8	4.9.8	11	13°	42	50	128° 18'	130° 58'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	8		SE	SE 1/2 S					Thurs day 29 July 1875 Fresh trade and pleasant though these 24 hours crew variously employed
2	8								
3	8								
4	8								
5	8								
6	8								
7	8		SE 1/2 E						
8	8								
9	8								
10	8								
11	8								
12	8								
1	7								Friday 30 July 1875 Pump attended to 26 Days out
2	7								
3	7								
4	7								
5	7								
6	7								
7	7								
8	7								
9	7		S 1/2 W						
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 17° E	175	174.5	20.1	2° 39'	2° 23'	42	20	150° 18'	150° 49'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Friday ³⁰ day of July 1875
						Air.	Water.			
1	8		S by E	E by S					Strong trade and pleasant weather these 24 hours and some sea at 9 AM took in four 8 Mize Royals and 3 of gal stay sail.	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	9									
11	9									
12	9									
1	9								Pumps Attended to	
2	9									
3	9									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1/2 E	198	197.0	19.1	5° 40'	5° 38'	1/2	21	130° 38'	131° 5'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday ³¹ day of July 1875
						Air.	Water.			
1	8		S by E	East					Fresh breeze and pleasant with cross sea	Middle part the same
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8								Batter strong breeze and squally	Pumps Attended to
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1/2 E	192	191.1	18.5	8° 49'		1/2	20	130° 44'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday ^{day of} Aug	1875
						Air.	Water.				
1	8		S by E	East					Fresh breeze and squally at 12-30 caught two porpoises and carried away fore topsail Brack mastsy sea on		
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8								Middle part the same		
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8								Latter weather more settled all sail set		
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8								Pumps attended to		
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8								29 Days out		
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation. & Leeway	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	192	192		12° 01'	12° 28'	1 Point	00	130° 14'	131° 25'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday ^{day of} Aug	1875
						Air.	Water.				
1	9		S by E 1/2 E	East					Strong breeze and squally with nasty sea all sail set		
2	9										
3	9										
4	9										
5	9										
6	9										
7	9										
8	9										
9	9										
10	9										
11	9										
12	9										
1	9								Middle part the same		
2	9										
3	9										
4	9										
5	10										
6	10										
7	10										
8	10										
9	10										
10	10										
11	10										
12	10										
1	9								Latter part breeze freshening with heavy squalls took in Baysals		
2	9										
3	9										
4	9										
5	10										
6	10										
7	10										
8	10										
9	10										
10	10										
11	10										
12	10										
1	9								Pumps attended to		
2	9										
3	9										
4	9										
5	10										
6	10										
7	10										
8	10										
9	10										
10	10										
11	10										
12	10										
1	9								30 Days out		
2	9										
3	9										
4	9										
5	10										
6	10										
7	10										
8	10										
9	10										
10	10										
11	10										
12	10										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	22 1/2	219.7	13.7	16° 07'	16° 08'	1/2	4 1/2	130° 39'	130° 48'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday day of Aug	1875
						Air.	Water.				
1	10		S by E 1/2 E	East					Strong breeze and squally at 4 PM moderating and sea going down set Royals		
2	10										
3	10										
4	10										
5	9										
6	9										
7	9										
8	9									Middle part the same	
9	9										
10	9										
11	8								Scatter moderate breeze and pleasant rose off New Main Topgallant and Royal Braces and Fore Topgal running		
12	8										
1	8										
2	8										
3	8										
4	7										
5	7										
6	7									Pumps Attended to	
7	7										
8	7										
9	6								31 Days out		
10	6										
11	6										
12	6										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	193	189.3	47.7	19 18	19 19	1/2	1.0	130 08	130 37
H K F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday ^{day of} Aug	1875
				Air.	Water.				
1	6	SSE East					Commenced with light breeze and pleasant at 6 Pm backing on and squally at 8 took in light sails		
2	6								
3	5								
4	5								
5	5								
6	6								
7	8								
8	8								
9	9								
10	9								
11	10								
12	10								
1	9						Middle part strong breeze and squally		
2	9								
3	8								
4	8								
5	8								
6	7								
7	7								
8	7								
9	7								
10	7								
11	7								
12	7								
							Latter fresh breeze and pleasant		
							Pumps Attended to		
							32 Days out		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	178	174.5	34.3	22 13	22 13	1 Point	1.0	129 57	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday ^{day of} Aug	1875
						Air.	Water.				
1	7		SE	SESE							
2	7										
3	6										
4	6								Moderate breeze and pleasant		
5	6								all sail set		
6	6										
7	6										
8	6								Middle part wind hauling		
9	6		SESE 1/2 E	NESE					more to the Northward and		
10	6								squally up to 3 am.		
11	6										
12	6										
1	6								Later light breeze and		
2	6								pleasant		
3	5										
4	5										
5	5								Pumps attended to		
6	4										
7	4										
8	3										
9	3										
10	3										
11	3										
12	3										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE 2 1/2 E	123	107.1	60	24 00	23 51	1/2	67	128 40	128 27

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday ^{day of} Aug	1875
						Air.	Water.				
1	5		SESE 1/2 E	NE							
2	5										
3	5										
4	5								Light breeze and pleasant		
5	5								at 3 PM sighted Andersons		
6	5								Elizabeth Island bore SSE		
7	5								20 miles		
8	4										
9	2		SE 1/2 E	NESE							
10	2								Middle wind dying out		
11	2								and hauled more to the East-		
12	3								ward		
1	3										
2	2								Later part the same		
3	2										
4	2										
5	2										
6	2								Pumps attended to		
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE 1/2 E	82	52.8	63.5	24 44	24 44	1/2	70	127 17	127 14

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Saturday day of Aug	1875
						Air.	Water.				
1	5		SE by E	NE							
2	5										
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	6										
10	6										
11	6										
12	6										
1	6										
2	6										
3	6										
4	6										
5	6										
6	6										
7	6										
8	6										
9	6										
10	6										
11	6										
12	6										

Moderate breeze and pleasant crew variously employed

Middle part breeze freshening a little

Weather the same

Pumps attended to

35 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE	132	9 12	9 12	28° 20'	28° 31'	1° 11'	10 0	128 04	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday day of Aug	1875
						Air.	Water.				
1	7		SE by E	NE							
2	7										
3	7										
4	7										
5	7			North							
6	7										
7	7										
8	7										
9	7										
10	7										
11	7										
12	7										
1	7										
2	7										
3	7										
4	7										
5	7										
6	7										
7	7										
8	7										
9	7										
10	7										
11	7										
12	7										

Moderate breeze and pleasant at 4 wind held more to the northward Sat & Studying sails

Middle & Weather the same

Pumps attended to

36 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE	168	11 8.8	11 8.8	28° 35'	28° 49'	1° 14'	183	128 51	128 19

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday ^{day of} Aug	1873
						Air.	Water.				
1	6		SE by E	NE							
2	6										
3	6										
4	6										
5	6										
6	6										
7	6										
8	5			North							
9	5										
10	5										
11	5										
12	5										
1	3										
2	2										
3	2										
4	1										
5	1										
6	1										
7	1										
8	1										
9	1										
10	1										
11	1										
12	3										

Light breeze from the North
ward and pleasant and
heavy swell from the Eastward

Middle part the same

Lighter light baffling air

Pumps Attended to

37 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE	113	81.3	81.3	30° 10'		1° P	9° 3'	129° 46'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday ^{day of} Aug	1873
						Air.	Water.				
1	4		SE by E	North							
2	4										
3	5										
4	5										
5	5										
6	5			NE							
7	5										
8	5										
9	4										
10	4										
11	4										
12	3										
1	3										
2	1										
3	1										
4	2										
5	2										
6	4										
7	4										
8	4										
9	4										
10	4										
11	4										
12	4										

Light baffling breeze and
pleasant at 6 and hauld
more to the Eastward

Middle & Latter the
same

Pumps Attended to

38 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE	100	70.7	70.7	30 28		1° P	1° 21'	120 23'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday day of 11 Aug 1873
						Air.	Water.			
1	5		SE by E	North						
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									
1	5		SE by E	NE						
2	5		SE by E	NE by W						
3	5									
4	5		SE by E							
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									

Light breeze from the North and pleasant

Middle part wind hauling more to the Westward at 4 AM jibed ship and set Studd Sails on Starboard side

Latter the same

Pumps Attended to

39 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE by E	120	91.3	78.8	32° 20'	33° 28'	1° 10'	1-25	119 00	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday day of 12 Aug 1873
						Air.	Water.			
1	6		SE by E	W by N						
2	6									
3	7									
4	7									
5	7			WSW						
6	7									
7	7									
8	7									
9	7									
10	7									
11	6									
12	5									
1	4									
2	0			Calm,						
3	0									
4	0									
5	0									
6	0									
7	0									
8	0									
9	0									
10	3									
11	1									
12	2									

Moderate breeze and pleasant at 4 PM wind hauling more to the Southward and thick with drizzling rain

Middle part the same - 10 AM then calm and fine rain took in Studd Sails

Latter part at 9 AM light breeze from the Westward and thick, set Topmast Studd Sails

Pumps Attended to 40 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE by E	58	62.8	26.0	34° 30'		1° 10'	32	118 78	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday ^{day of} 13 Aug	1875
						Air.	Water.				
1	4		SSE	West							
2	5										
3	6										
4	6										
5	6										
6	6										
7	6										
8	6										
9	6		S by E								
10	5										
11	5										
12	5										
1	5										
2	5										
3	5										
4	5										
5	6										
6	7										
7	7										
8	8										
9	9										
10	10										
11	10										
12	10										

Light breeze from the Westward and thick with drizzling rain

Middle the same at 11 am wind hauled more to the Northward set Lower Studding sail

Latter part breeze freshening and our crew variously employed

Pumps Attended to

41 DAYS OUT

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1/4 E	152	150.2	0.25	33° 00'	33° 10'	1 P	12	115° 06'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday ^{day of} 14 Aug	1875
						Air.	Water.				
1	10		SSE	NW by E							
2	10										
3	10										
4	10										
5	10										
6	10										
7	9										
8	6		SE by S	NW by N							
9	5										
10	2										
11	0			Calm							
12	0										
1	2		East	SE by E							
2	2										
3	2										
4	2										
5	2										
6	2										
7	2		SSE	E by N							
8	2										
9	2										
10	3										
11	3										
12	3										

Strong breeze and thick with rain at 6 wind during out and baffling

Middle part light breeze up to 10 then calm at 12 light air from the Southward took in Studding Sails

Latter at 6 wind hauled to the Eastward wore ship thick and fine rain

Pumps Attended to

42 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 4/4 E	105	98.9	36.1	39° 19'		1 P	48	114° 20'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday day of Aug	1875
						Air.	Water.				
1	1		SS E	SE by E							
2	4										
3	1										
4	1										
5	3										
6	3										
7	2		SS W	SE							
8	2		SE	SE							
9	3										
10	5										
11	8										
12	8										
1	9			WSW							
2	9										
3	9										
4	9			Wet							
5	10										
6	10										
7	10										
8	10										
9	10										
10	10										
11	10			WNW							
12	10										

Light baffling breeze from the Eastward with rain at 6 wind hauling more to the South and Westward wore ships the Eastward

Middle part breeze freshing and squally took in Reysals at 11 P.M. and set them. Plan again.

Latter part strong breeze and weather more settled at 6 P.M. set Topmast & Lower Studd sail all sail set

Pumps Attended to

43 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 28 E	164	144.0	27.0	41 41	41 37	13°	10 3	112 37	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday day of Aug	1875
						Air.	Water.				
1	10		SE by E	WNW							
2	10										
3	10										
4	10										
5	10										
6	10										
7	10										
8	10										
9	10										
10	9										
11	9										
12	9										
1	9										
2	9										
3	9		SE E	WNW							
4	9										
5	9										
6	9										
7	9										
8	10										
9	10		SE 1/2 S								
10	10										
11	10										
12	10										

Strong breeze and overcast at 4 breezing on and squally and night sea at 6 took in Lower Studd sail

Middle part moderate gale and high sea with heavy squalls at 10 took in Topmast Studd sail

Latter part moderating a little set Topmast & Studd sail

Pumps Attended to

44 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 51° E	211	132.3	164.5	44 06	44 34	1 Point 22'	108 56		

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	185-
						Air.	Water.				
1	9		080	Wly N					Strong breeze and pleasant with high sea	Tuesday	17
2	9										
3	9										
4	9										
5	9										
6	9										
7	9								Middle part wind hauled more to the Northward and breezing on with heavy squalls at 4 P.M. shifted ship at 2 A.M. fresh gale and thick with rain 10 took in Studd sail at 4 took in Royals Mizzen Topgalsail and Main Sail		
8	8			NW							
9	8										
10	8										
11	8										
12	8										
1	9								Latter part whole gale and high sea running at 8 Am took in Fore Topgalsail 11 Main and Upper Mizzen Topgalsail very high sea running		
2	10			WNW							
3	10										
4	11										
5	11										
6	12										
7	12								Pumps attended to		
8	12			NWly W							
9	12										
10	12										
11	12										
12	12										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 57° E	21.0	157.9	185.8	47° 05'		13°	20.2	147° 08'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	185-
						Air.	Water.				
1	12		080	NWly W					Whole gale and very high sea and heavy squalls at 4 took in Fore and Reefed Main Topgalsail at 8 P.M. wind hauled to S W and moderating set Topgalsails and Main Topgalsail and Main Sail at 2 Am set Fore & Mizzen Topgalsails and 7 fib	Wednesday	18
2	12										
3	12										
4	12										
5	12										
6	12										
7	12								Latter strong breeze and thick and heavy looking and rain squalls and high sea glass very low 28° heavy sea on		
8	11										
9	9		080	S W							
10	7										
11	6										
12	6										
1	6								Pumps attended to		
2	6										
3	6		East	South							
4	6										
5	6										
6	6										
7	8								46 Days out		
8	8										
9	8										
10	8										
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 66° E	211	85.0	193.2	48° 30'		13°	28.9	102° 19'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday ^{day of} Aug	1875
						Air.	Water.				
1	8		East	South					Strong breeze and squally with high sea at 3 PM wind hauling more to the Westward and backing on and chasing up		
2	8										
3	8										
4	8		Eby N	SSW							
5	8										
6	9		East	SW					Middle part strong breeze and pleasant with fastening squally wind hauled to West		
7	10										
8	10										
9	10										
10	10										
11	11			WSW					Latter part moderating and weather more settled all sail set at 11 AM sat Topmast Studd sail killed a pig		
12	11										
1	11										
2	11			West							
3	11										
4	11								Dumps attended to 47 Days out		
5	11										
6	10										
7	10										
8	10										
9	10										
10	10										
11	10			WSW							
12	10										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 63° E	233	10 53	210.0	50 15	50 10	1 1/2	3 22	94 57	97 09

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Friday ^{day of} Aug	1875
						Air.	Water.				
1	10		East	SW					Strong breeze and squally at 5 AM wind hauling more to the Southward and moderating		
2	10										
3	10										
4	10										
5	10										
6	9			SSW					Middle part light baffling air and pleasant with heavy swell		
7	8										
8	6			South							
9	3										
10	3										
11	3			SE					Latter the same		
12	3										
1	3										
2	3										
3	3										
4	3								Dumps attended to 48 Days out		
5	3										
6	3										
7	3										
8	3										
9	3		Eby N	SE							
10	3										
11	3										
12	3										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 74° E	123	33.7	119.1	50 44	50 37	1 1/2	18 6	94 03	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday ^{day of} 21 Aug	185-
						Air.	Water.				
1	0										
2	0										
3	0										
4	0										
5	0										
6	0										
7	0										
8	0										
9	0										
10	0										
11	0										
12	0										
1	0										
2	0										
3	0										
4	0										
5	0										
6	0										
7	0										
8	0										
9	0										
10	0										
11	0										
12	0										

These 24 hours commenced with a calm and continued so untill 5 Am then light breeze from the Southward and Eastward and pleasant

Pumps Attended to

49 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
E 1/2 S	35-	03.1	34.8	51° 10	51° 01	1 1/2	1.6	93° 26	93° 38

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday ^{day of} 22 Aug	185-
						Air.	Water.				
1	6		E by N	SSE							
2	6										
3	6										
4	7										
5	7		E 1/2 S	South							
6	7		SE	Sly W							
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8										
2	8										
3	8										
4	8										
5	7										
6	6										
7	6										
8	6										
9	6										
10	6										
11	5										
12	5										

Fresh breeze from the Southward and cloudy at 6 wind hauling more to the Southward and breez freshning

Middle part fresh breeze from Sw and pleasant at 2 PM Sat Topmast Studd Sail all Sail set

Bottom part the same up to 9 PM wind hauled to the Southward took in Studd Sail

Pumps Attended to

50 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 5 1/2 E	160	100.6	125.8	52° 11	52° 53	2 Points	2.03	90° 15	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday ^{day of} 23 Aug	1875
						Air.	Water.				
1	2		080	West					Light breeze from the Westward and pleasant at 3 hauling more to the Northward		
2	2										
3	2										
4	2			WNW							
5	2								Middle part breeze freshening with hail squalls		
6	3										
7	4										
8	4										
9	6								Scatter part the breeze at 8 am sat Topmast Studding sail		
10	7										
11	8										
12	8										
1	8								Pumps Attended to		
2	8										
3	8										
4	8	080									
5	8								51 Days out		
6	9										
7	9										
8	9										
9	9										
10	9										
11	9										
12	9										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
081°0	155	97.3	119 E	34° 31'	34° 40'	2 P	20' 4"	91° 37'	85° 53'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday ^{day of} 24 Aug	1875
						Air.	Water.				
1	9		East	West					Moderate gale from the Westward all drawing sail set at 3 breeze increasing at 8 took in Top Studd sail		
2	9										
3	9										
4	10										
5	10								Middle part fresh gale and heavy squalls took in Light sail at 10 Fore & Mizzen Topgalsail		
6	10										
7	10										
8	10										
9	10								Scatter part all sail set sighted a sail brand to the Westward		
10	10										
11	11										
12	11										
1	11			WNW					Pumps Attended to		
2	11										
3	11										
4	11										
5	11								52 Days out		
6	11										
7	11										
8	11			WNW							
9	10										
10	10										
11	10										
12	10										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
080	247	94.7	228.2	35° 04'	35° 43'	2 P	2' 20"	99° 13'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	10		E h E	W by N					Wednesday ^{day of} 25 Aug 1875
2	11								These 24 hours commenced with strong breeze and pleasant at 2 buying on took in light sails at 4 fresh gale took fore and Mizzen Topgalsails (whole gale with very heavy squalls took in Main Topgal sail and Main sail 7 fore & Mizzen Top sails Lightning in S E
3	12								
4	12								
5	12								
6	12								
7	12								
8	12		E by N						
9	12								
10	12								
11	12								
12	11		E h E	W h W					
1	11								Middle part 11 moderating
2	10								12 sat fore & Mizzen Top sails and made sail as required
3	10								Latter part all sail set fresh breeze with snow squalls at at 9.0 A m passed an English ship with main Topmast gone and Mizzen Topgal mast stanching to Southward & Westward
4	10								
5	10								
6	10								
7	9								
8	9								
9	9								
10	9								
11	9								
12	9								
									53 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
8 86° E	26'0	19 1/4	258.1	37° 02'	37° 04'	2 1/4	46'0	71° 33'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	9		Nely E 1/2 E	W h W					Thursday ^{day of} 26 Aug 1875
2	9								First & Middle part strong breeze with snow and hail squalls all drawing sail set at 6 took in light sails very heavy squalls
3	9								
4	9								
5	9								
6	9								
7	9								
8	9								
9	9								
10	9								
11	10								
12	10								
1	10								Latter part at 4.30 blowing heavy with very heavy squalls took in Topgalsails and furled Main sail at 8 whole gale and high sea took in upper Mizzen Top sail
2	10								Pumps Attended to
3	10								
4	11								
5	12			N W					
6	12								
7	12								
8	11								
9	11								
10	11								
11	10								
12	10								
									54 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
East	240		240	37° 04'	37° 40'	2 1/2	440	64° 13'	65° 12'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Friday day of 27 Aug	1875	
						Air.	Water.					
1	12		Oh E	h W					Whole gale with high sea and very heavy squalls at 2 shiped a sea stove bulwarks			
2	12											
3	12											
4	12											
5	12											
6	12											
7	12								Middle part the same up 10 then moderating sat upper Mizzen Topsail & Main Topgal sail			
8	12											
9	12											
10	11								Gatter wind hauled to S W and snod all sail set at 8 set Topmast Studd sail			
11	11											
12	10	NE		h W								
1	10								Pumps Attended to	55 Days out		
2	8											
3	6											
4	6											
5	6											
6	7											
7	7		h E E	S W								
8	7											
9	7											
10	7											
11	7											
12	7											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h 83 E	222	28.5'	2202	58° 13'	58° 21'	2 P	400	58° 32'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1	8		h E	S W					Saturday	28	Aug
2	8								Strong breeze with passing		
3	9								hale squalls all sail set		
4	9										
5	10										
6	10										
7	10								Middle part the same to 10		
8	10								then wind hauled to the Westward		
9	10								took in Topmast Studd sail		
10	11			West					and Royals breezing on and		
11	12								squally at 12 fresh gale took for		
12	12								and Mizzen Topgalsails whole		
1	13			E W h W					gale with heavy squalls and		
2	13								high sea		
3	13										
4	13								Scatter blowing heavy took		
5	13								in Main Topgalsail at 8 Am		
6	13								Pumps Attended to		
7	13										
8	13										
9	13										
10	13										
11	13										
12	13										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h 83 E	275	105.2	2544	54° 59'		2 P	410	50° 10'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1	13		N by E	NW					Sunday	29 Aug	1875
2	13										
3	13										
4	13										
5	13										
6	13										
7	13										
8	13										
9	13										
10	12										
11	12										
12	12										
1	12								Monday	29 Aug	1875
2	12										
3	11										
4	11										
5	11										
6	11										
7	10										
8	10										
9	10										
10	9										
11	8										
12	8										

Whole gale and high sea with very heavy squalls at 3 PM took in Main. Sail and Reefed Mizzen Topsail

Middle part the same with violent squalls at 11 settled Fore & Main Topsails on the caps at 4 AM hoisted the Main

Latter the same took in Upper Topsails blowing very heavy and very high sea Pumps attended to 57 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by E	27 ¹ / ₂	105 ¹ / ₂	25 ¹ / ₂	52° 43'	52° 37'	1 P	43° 0'	43° 30'	43° 10'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1	8		NE	WNW					Monday	29 Aug	1875
2	8										
3	8										
4	8										
5	8										
6	8										
7	8		N by N								
8	8										
9	8										
10	8										
11	8										
12	8										
1	8								Tuesday	30 Aug	1875
2	8										
3	8										
4	8										
5	8										
6	8										
7	8		N by N West								
8	8										
9	8										
10	9										
11	9										
12	9										

Whole gale with high sea and heavy squalls ship shipping lots of water at 2 PM carried away jib stay

Middle part the same up to 3 PM then forecruising set Upper Topsails

Latter part strong breeze and high sea at 8 set Main Topsails, spliced jib stay and set it up

Pumps attended to 58 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 47° E	19 ¹ / ₂	134 ¹ / ₂	140 ¹ / ₂	50° 28'	50° 28'	1 P	223	41° 27'	41° 00'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday day of 31 Aug	1875
						Air.	Water.				
1	10		h h e	W by h					Strong breeze and sea going down all suitable sail set at 4 sat Breeze		
2	10										
3	10										
4	10										
5	10										
6	10										
7	10								Middle & Latter strong breeze and squally all sail set		
8	10										
9	10			W S W							
10	10										
11	10										
12	10										
1	10								Pumps Attended to		
2	10										
3	9										
4	9										
5	9								59 DAYS Out		
6	9										
7	9			West							
8	9										
9	9										
10	9										
11	9										
12	9										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h h e	230	191.2	1278	42 48	42 20	11	190	87 50	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday day of 1 Sept	1875
						Air.	Water.				
1	9		h h e	West					These 24 hours commenced with strong breeze with heavy hail squalls at 3 sat Topmast Studd sails killed a pig		
2	9										
3	9										
4	9										
5	9										
6	9										
7	9								Middle part the same		
8	9										
9	9										
10	9								Latter the same to 7 a m then wind getting light a ship in company to Hubbard		
11	9										
12	9										
1	9								Pumps Attended to		
2	9										
3	9										
4	9										
5	9								60 Days out		
6	9										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h h e	210	194.0	80.4	43 10	42 41		112	35 58	36 15

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		h h E	West					Thursday ^{day of} Sep 1875
2	6								
3	5								
4	5								
5	5		h h E						Slight baffling breeze and pleasant at 8 calm at 8 breeze from the northward took in Studd Sails
6	0		Calm						
7	0								
8	0								
9	5		n w h w	h h E					
10	5								Middle part Strong breeze and nasty looking with very heavy squalls and raising shattered down to close reefed Topsails
11	5								
12	5								
1	5								
2	3								
3	3								
4	3								
5	3								
6	3								Lat at 8 wore ship and set Upper Topsails blowing heavy with thick rain all suitable sail set
7	5								
8	5								
9	5		h E	n n w					
10	5								Pumps Attended to
11	5								61 Days out
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	70	75.1	0.0	41° 25'			0 "		

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		h E	n n w					Friday ^{day of} Sep 1875
2	5								
3	5		n n E	West					Strong breeze and steady rain and squally at 20 fms up and wind shifted by the Westward all suitable sail set at 8 nasty sea from the northward took in 6 fms sails
4	5								
5	6								
6	6								
7	6								
8	7								
9	8		h h h n						Middle part the same
10	8								
11	8								Lat at 8 sea going down all sail set
12	8								
1	8								
2	8								
3	8								Pumps attended to
4	8								
5	9		n n E	w s w					
6	9								62 Days out
7	10								
8	10								
9	10								
10	10								
11	10		h h E						
12	10								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 27° E	125	155.8	82.2	38° 40'	38° 50'		106	34° 28'	34° 28'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	10		NNE	SE					<p>Strong breeze from the Westward and overcast at 6 wind haul'd till 8 all drawing sail set</p> <p>Middle part breeze during out and hauling to the Westward</p> <p>Lighter light baffling breeze</p> <p>Pumps Attended to</p> <p>63 Days out</p>
2	10								
3	10								
4	10								
5	8								
6	8								
7	8			SE					
8	8								
9	8								
10	7								
11	6								
12	6								
1	5								<p>Lighter light baffling breeze</p> <p>Pumps Attended to</p> <p>63 Days out</p>
2	3								
3	3			West					
4	3								
5	3								
6	4		NNE						
7	4								
8	4								
9	6		NNE	ENE					
10	6								
11	6		NNE	NE					
12	6								

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

N 14° E 118 143.1 35.7 35° 27' 44 33 1/2

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		NNE	NE					<p>Strong breeze and thick with rain at 6 wind hauling more ship to the Eastward</p> <p>Middle part the same</p> <p>Lighter strong breeze and overcast</p> <p>Pumps Attended to</p> <p>64 Days out</p>
2	5								
3	5								
4	5		NW	NNE					
5	5								
6	5		NE	NW by N					
7	8								
8	8								
9	8								
10	9								
11	9								
12	9								
1	9								<p>Lighter strong breeze and overcast</p> <p>Pumps Attended to</p> <p>64 Days out</p>
2	9								
3	9								
4	9								
5	9								
6	9								
7	9								
8	9								
9	9								
10	9								
11	9								
12	9								

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

N 35° E 166 158.9 85.5 34 10 35 04 11 6 31 1/2

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	day of	1875
						Air.	Water.				
1	8		h e	h by h					Monday 6 th Sept	Sept	1875
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8								Tuesday 7 th Sept	Sept	1875
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Strong breeze and thick with drizzling rain

Middle & Latter the same all suitable sail set

Pumps Attended to

65 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
<i>h e</i>	<i>192</i>	<i>135.8</i>	<i>135.8</i>	<i>32° 49'</i>			<i>163</i>	<i>23° 04'</i>	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875-
						Air.	Water.				
1	8		<i>h e h h e</i>						<i>Fresh breeze and overcast at 8 wind getting more moderate</i>	<i>Tuesday 7 Sept</i>	
2	8										
3	8										
4	8										
5	8		<i>h h e e e</i>								
6	8								<i>Middle part light baffling breeze</i>		
7	7										
8	6										
9	5		<i>h e</i>								
10	5										
11	5								<i> Latter part the same commenced scraping masts</i>		
1	5										
2	4										
3	4										
4	3										
5	3								<i>Pumps attended to</i>		
6	3										
7	3										
8	3										
9	4										
10	4								<i>66 Days out</i>		
11	4										
12	4										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
<i>h s e</i>	<i>121</i>	<i>102.9</i>	<i>69.5</i>	<i>31° 06'</i>	<i>30° 22'</i>	<i>112</i>	<i>90</i>	<i>27° 44'</i>	

Fresh breeze and overcast at 8 wind getting more moderate

Middle part light baffling breeze

Latter part the same commenced scraping masts

Pumps Attended to

66 Days out

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday ^{day of} Sept	1875-
						Air.	Water.				
1	1		ENE	North					Slight breeze from the North ward and pleasant at 6 were ship to the Westward		
2	4										
3	1										
4	5										
5	5										
6	5								Middle part breeze freshening and overcast		
7	5		hW ¹ / ₂ W	hNE							
8	5										
9	5										
10	6										
11	7								Latter strong and thick with rain at 12-30 were ship to the Eastward crew scrubbing paint work		
12	8										
1	8		hW ¹ / ₂ N	hNE							
2	8										
3	8		hW ¹ / ₂ N	hE							
4	8								Pumps Attended to		
5	8		hW	hNE							
6	8										
7	7		WNW	North							
8	7										
9	7								67 Days out		
10	7										
11	7										
12	7										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
hNE	113	86.2	72.1	28° 56'	29° 30'		83	29° 17'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday ^{day of} Sept	1875-
						Air.	Water.				
1	7		ENE	North					Strong breeze and thick with rain at 5 wind hauled to the Westward and clearing up nasty head sea		
2	7										
3	7										
4	6										
5	6										
6	6		hE ¹ / ₂ N	West					Middle part the same		
7	6										
8	6										
9	6										
10	6										
11	6								Latter moderate breeze and pleasant all sail set at 6 A.M. at Foremast & Lower Studd Sails crew scraping yards		
12	7										
1	7										
2	7										
3	7										
4	7								Pumps Attended to		
5	7		hNE	WSW							
6	7										
7	7										
8	7										
9	7								68 DAYS OUT		
10	7										
11	7										
12	7										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
hNE	158	137.9	63.7	29° 12'	29° 05'	1 P.W.	1-14	28° 03'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday th day of Sept	1875-5-
						Air.	Water.				
1	5		N by E	8 W							
2	5										
3	4										
4	4										
5	4			88 W							
6	4										
7	3										
8	3										
9	3										
10	2										
11	2										
12	2										
1	2										
2	2										
3	1										
4	1										
5	1										
6	1										
7	2										
8	2										
9	2										
10	2										
11	3										
12	3										

These 24 hours light baffs
breeze and pleasant crew
variously employed as
sail in sight

Pumps Attended to

69 DAYS OUT

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	63	63'		21° 02'	21° 00'	11°		28° 03'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday th day of Sept	1875-5-
						Air.	Water.				
1	4		N by E	Light							
2	4			B							
3	4			Baffling							
4	4										
5	4										
6	4										
7	3										
8	3										
9	2										
10	0		Calm								
11	0										
12	0										
1	0										
2	0										
3	0										
4	0										
5	0										
6	0										
7	0										
8	0										
9	0										
10	0										
11	0										
12	0										

These 24 hours light baffling
airs and pleasant up to 9
P.M. and a calm the rest
of them a brig in company
crew scraping carpenter
at work on the Half deck

Pumps Attended to

70 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	32	32'		29° 28'	29° 28'	11°		28° 03'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of Sept	1875-
						Air.	Water.				
1	2		N by E	S W					Light breeze and pleasant at 3 wind hauling more to the Southward and breeze freshening	Sunday 12	
2	2										
3	3										
4	3			S S W					Middle part light breeze and cloudy with passing rain squalls		
5	4										
6	4										
7	4			S by W							
8	4										
9	4										
10	5			South					Latter fresh breeze with passing rain squalls at 6 AM at Topmast & Lower Studd Sails on Starboard Side		
11	5										
12	5										
1	6								Pumps Attended to		
2	6										
3	6										
4	6								71 Days out		
5	7										
6	7										
7	7										
8	7										
9	8										
10	8										
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.		
North	139	139		23° 09	23° 08	1 1/2		28° 00	28° 17		
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday 13 ^{day of} Sept	1875-
						Air.	Water.				
1	9		N by E	S by W					Fresh breeze and pleasant throughout the 24 hours commencing down at 6 AM Martin's Vast Rocks in sight bare West dis 20 miles		
2	9										
3	9										
4	9										
5	9		N by E 1/2 E								
6	9										
7	9										
8	9										
9	9										
10	9										
11	9								Pumps Attended to		
12	9		N by E	S by W							
1	9										
2	9										
3	9										
4	9										
5	9										
6	9										
7	9		N by E								
8	9										
9	9								72 Days out		
10	9										
11	9										
12	9										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 5° E	215	214 1/2	18 1/2	19° 44'	19° 44'	1 1/2°	20'	28° 37'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875	3-
						Air.	Water.					
1	8		Nby E	SE					Fresh breeze and pleasant crew employed as before	Tuesday	14	Sept
2	8											
3	8											
4	8											
5	8											
6	8			SE					Middle part the same			
7	8											
8	8											
9	8											
10	8											
11	8								Batter part wind haul of more to the Eastward took in lower sheeted sail			
12	8											
1	8											
2	8											
3	8											
4	8			SE					Pumps Attended to			
5	8											
6	9											
7	9											
8	9											
9	9								73 Days out			
10	9											
11	9											
12	9											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	19'9	199.0		14° 2'5	14° 1'8	1P		28'3'4	1
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	9		N by E	SE					Wednesday ^{day of} 15 Sept 1875-3-
2	9								
3	9								
4	9								
5	9								
6	9								These 24 hours strong & rough with passing rain squalls & crew variously employed
7	10								
8	10								
9	10								
10	10								
11	10								Pumps Attended to
12	11								
1	11								
2	11								
3	11								
4	11								74 Days out
5	11								
6	12		N 1/2 E	SE					
7	12								
8	12								
9	12								Patt
10	12								
11	12								
12	12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North 2° W	25'3	254.6	08.2	12° 0'4	12° 1'5	1P	10	28° 4'1	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	10		N by E	ESE					Strong breeze and pleasant crew seriously employed.
2	10								
3	10								
4	10								
5	10								
6	10								
7	10								
8	10								
9	10								
10	10								
11	9								Middle part squally
12	9								
1	9		North	SE by E					
2	9								Batter pleasant
3	9								
4	8			SE					
5	8								Pumps Attended to 75 Days out
6	7		Nh W						
7	7								
8	6								
9	6								
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 9° W	200	196.9	31.0	9° 2' 8"	9° 3' 3"	1 P	3' 2"	29° 1' 9"	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		Nh W	SE					These 24 hours moderate trade and pleasant through the 24 hours
2	6								
3	6								
4	6								
5	6								
6	7								
7	7								
8	7								
9	7								
10	7								
11	7								
12	7								
1	7		Nh W						Pumps Attended to 76 Days out
2	7								
3	7								
4	7								
5	7								
6	7								
7	7								
8	7								
9	7								
10	7								
11	7								
12	7								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 28° W	163	143.3	76.0	7° 11'	7° 24'	1 P	78	30° 37'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday ^{day of} 18 Sept 1875
						Air.	Water.			
1	6		N by W	SS E						
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6		N by W 1/2 W							
10	6									
11	6									
12	6									
1	6									
2	6									
3	6									
4	6									
5	6									
6	5		N by W							
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									

These 24 hours high breeze and pleasant at 6 A M three seals in sight standing to the southward and Eastward

Thump Attended to

77 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 35° W	135	109.1	77.2	3° 35'	3° 49'	1 P	80	31° 52'	33° 21'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday ^{day of} 19 Sept 1875
						Air.	Water.			
1	6		N by N	SS S						
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6		N by W	SS E						
10	6									
11	6									
12	6									
1	6									
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Moderate trade and pleasant crew variously employed strong current setting to the northward and Westward

Thump Attended to

78 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 38° W	120	93.8	73.9	4° 13'	3° 38'	1 P	74	31° 35'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		nnw	ssw					These 24 hours moderate breeze and pleasant
2	6								
3	6								
4	6								
5	6								
6	7								
7	7								
8	7								
9	7								
10	7								
11	7								
12	6								
1	6			ssw					Pumps Attended to 79 Days out
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
nnw by n	180	149.7	100.0	1-08	1-01	1P	1-10	36-17	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		nnw	ssw					Moderate breeze and pleasant throughout the 24 hours one knot current setting to the northward and westward
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								
1	6								Pumps Attended to 80 Days out
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
nnw by n	168	139.7	95.8	1-18	1-02	1P	94	38-21	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	£		h h w	SE					Wedns day 22 Sept 1873
2	£								
3	£								
4	£								
5	£								
6	£								
7	£								
8	£								
9	£								
10	£								
11	£								
12	£								
1	£								
2	£								
3	£								
4	£								
5	£								
6	£								
7	£								
8	£								
9	£								
10	£								
11	£								
12	£								

Moderate breeze and pleasant throughout the 24 hours commenced li. h. ly stone this morning

Pumps attended to

81 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h h w	153	1353	90.5	3° 17'	3° 20'	1 IP	1-30	39° 37'	41° 28'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	£		h h w	SE					Thursday day of Sept 1873
2	£								
3	£								
4	£								
5	£								
6	£								
7	£								
8	£								
9	£								
10	£								
11	£								
12	£								
1	£								
2	£								
3	£								
4	£								
5	£								
6	£								
7	£								
8	£								
9	£								
10	£								
11	£								
12	£								

Moderate breeze and pleasant

Middle part breeze dying out and hauler hove to the Eastward and overcast and h. ly stoning

Pumps attended to

82 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h h w	12.5	120.5	80.5	5° 20'	5° 33'		1-20	42 48	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday ^{day of} Sept	1873
						Air.	Water.				
1	1		N H W	East							
2	1										
3	1										
4	3										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	2										
12	2										
1	2										
2	2										
3	2										
4	2										
5	2										
6	2										
7	2										
8	0										
9	0										
10	0										
11	0										
12	0										

These 24 hours commence with light air from the Eastward and pleasant

Strong tide rips

Latter part calm 1 knot an hour current

Pumps Attended to
83 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N H W	57	69.3	28.7	6° 42'	6° 23'		3' 0"	1.3° 19'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday ^{day of} Sept	1873
						Air.	Water.				

1
2
3
4
5
6
7
8
9
10
11
12
1
2
3
4
5
6
7
8
9
10
11
12

North S E
South

S E

Commenced with calm at 2 light breeze from the Southward painting ship outside

Middle part light baffling breeze from Southward and Westward

Latter light baffling breeze and squally

Pumps Attended to
84 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	89	89.0		7° 52'	7° 37'			43° 19'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		North	SE					Sunday ^{day of} Sept 1875 - Light buffing breeze and squally wind not steady
2	5								
3	5								
4	5								
5	5								
6	4								
7	3								
8	3								
9	6		by 30						
10	6								
11	6								
12	4								
1	1								Middle part the same Boatler and hauld to the Eastward and please sat Topmast Studd Sail Pumps attended to 85 Days out
2	3								
3	6		by 30						
4	6		by 30						
5	6		by 30						
6	6		by 30						
7	7		by 30						
8	7		by 30						
9	7		by 30						
10	7		by 30						
11	7		by 30						
12	7		by 30						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by W 1/4 W	13'0	12'0	30'2	9° 5'8	10° 0'0		3'2	1, 3° 3'0	13° 5'8

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	7		N N W	SE					Monday ^{day of} Sept 1875 - Fresh breeze and squally at 4 wind hauld more to the Northward and heaving on took in Sky sail and light fore and aft sails
2	7								
3	8								
4	8								
5	8		N W	N E					
6	8								
7	9								
8	10								
9	10								
10	10								
11	10								
12	10								
1	10								Middle & Boatler strong breeze and squally at 8 P M. sat Topmast Studd Sail Pumps attended to 86 Days out
2	10								
3	10								
4	10								
5	10								
6	10								
7	10								
8	10								
9	10								
10	10								
11	10								
12	10								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 55° W	23'0	13'4	18'7	12° 1'4	12° 1'9	1/2	3° 11'	47° 0'9	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday day of 28 Sep	1873
						Air.	Water.				
1	10		h 20	h E					Strong breeze and passing squalls		
2	10										
3	10										
4	10										
5	10										
6	10								Middle & Latter moderating all sail set crew painting ship in side		
7	10										
8	9										
9	9		h 10 1/2 h								
10	8										
11	8								Pump Attended to		
12	8										
1	8										
2	8										
3	7										
4	7								87 Days out		
5	7										
6	7										
7	7										
8	7										
9	7										
10	7										
11	7										
12	7										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h 47° 20'	199	134.2	145.2	14.27	14° 28'	1/2	2° 29'	49° 38'	49° 34'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday day of 29 Sept	1873
						Air.	Water.				
1	7		h 10 1/2 h	h E					Moderating and pleasant crew painting		
2	7										
3	7										
4	7										
5	7										
6	7								Middle part the same		
7	7										
8	7										
9	7										
10	7										
11	7								Latter wind hauled more to the Eastward sat Thomas Studd sail a bark in company going the same way		
12	7										
1	6										
2	6										
3	6										
4	6								Pump Attended to		
5	6										
6	6										
7	6										
8	6										
9	6			East					88 Days out		
10	6										
11	6										
12	6										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h 20	156	110.3	110.3	15° 38'	15° 40'	1/2	1° 54'	51° 48'	52° 10'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		N 20 1/2 E	East					Thursday ^{day of} 30 Sept 1875 Light breeze and pleasant crew painting ship inside
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	7								
10	7								
11	7								
12	7								
1	7		N 20 1/2 E	East					Friday ^{day of} 1 Oct 1875 Lighter breeze freshening bark still in company Pumps attended to 89 Days out
2	7								
3	7								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	10								
11	10								
12	10								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 20 1/2 E	180	127.3	127.3	19° 35'	19° 47'	1 P	2' 18"	56° 23'	56° 0' 0"

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	8		N 20	East					Friday ^{day of} 1 Oct 1875 These 24 hours fresh breeze and pleasant through the 24 hours Pumps attended to 90 Days out
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								
1	9		N 20 1/2 E	East					
2	9								
3	9								
4	9								
5	9								
6	9								
7	9								
8	9								
9	9								
10	9								
11	9								
12	9								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 20 1/2 E	204	129.4	157.7	19° 43'	19° 50'	1 1/2	16'	56° 46'	56° 50'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Saturday ^{day of} 2 Oct	1875
						Air.	Water.				
1	8		N W	East							
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8										
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Fresh breeze and pleasant
first and middle part

Scatter wind hauled more
to the Northward and squally

Pumps Attended to

N E by E

91 Days Out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W 1/2 W	192	121.8	148.4	21° 52'	21° 48'	112	2° 29'	58° 29'	58° 48'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday ^{day of} 3 Oct	1875
						Air.	Water.				
1	8		N W	N E by E							
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8										
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Fresh breeze and pleasant
untill six PM. then heavy
squalls with sharp lightning

Middle part the same

Scatter strong breeze and
pleasant

Pumps Attended to

92 Days out

Unsteadily

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W 1/2 W	192	121.8	148.4	28° 43'	28° 43'	112	20'6"	58° 14'	58° 20'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday ^{day of} 1 Oct 1875
						Air.	Water.			
1	8		NW	Neg						
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8									
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									

These 24 hours fresh breeze with passing rain squalls

Pumps Attended to

93 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	193	135.8	135.8	25° 53'	25° 57'		2-30	(1° 50')	(5° 21')

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday ^{day of} 3 Oct 1875
						Air.	Water.			
1	8		NW 1/2 N							
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8									
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									

Fresh breeze and squally first and middle part of Bark in sight on lee bow

Latter part pleasant exchanged signals with American Bark

Pumps Attended to

94 Days out

From East to NW

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	190	134.4	134.4	28° 05'	27° 53' 1/2		150	(1° 57')	(5° 47')

Journal

from San Francisco

towards New York

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer

Air. Water.

Barometer.

REMARKS

Wednesday day of Oct 1875

1
2
3
4
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7
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9
10
11
12
1
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3
4
5
6
7
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11
12

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8
8
8

NW 1/2 N

From S. S. to N. E. by N

Strong breeze and squally
first and middle parts

Latter strong breeze and
pleasant-odded spars

Pumps attended to

95 Days out

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in.

Lon. by Ob.

NW 1/2 N

195

150.7

123.7

30° 21'

30° 14'

1/2

141

70° 08'

70° 05'

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer

Air. Water.

Barometer.

REMARKS

Thursday day of Oct 1875

1
2
3
4
5
6
7
8
9
10
11
12
1
2
3
4
5
6
7
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11
12

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6
6
6
6
6
6
6
6
6
6

N by W 1/2 N

From S. by N. E.

Strong breeze and squally
all sail set got up 45 fathoms
on each chain

Middle part moderating
and wind unsteady with
heavy squalls

Latter part light baffly
breeze and squally crew
holly stowing main deck

Pumps attended to

96 Days out

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in.

Lon. by Ob.

N 25° 00'

165

149.5

70.8

32° 43'

32° 44'

1/2

82

71° 27'

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday day of Oct	1875
						Air.	Water.				
1	6		h w by h	S W							
2	6										
3	6										
4	6										
5	6										
6	6										
7	6										
8	5			W S W							
9	5		North								
10	5										
11	5										
12	5										
1	5		h w by w 1/2 w h by E								
2	5										
3	5										
4	6										
5	6										
6	6										
7	6										
8	6										
9	6										
10	6										
11	6										
12	6										

Moderate breeze from S W
crew holy storming

Middle part squally at 11
wind hauled to the Northward
wore ship a bark in company
bree freshning and sea
getting up

Boatter strong breeze and
nasty sea took in light
sails at 10 Mins Top galsail
& St Gib several sail in
company

Thumps Attended to
97 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 49° W	127	83 0	96.5	31° 17'	31° 07'	1/2	1° 53'	73° 22'	74° 00'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday day of Oct	1875
						Air.	Water.				
1	6		h w by w h by E								
2	6										
3	6										
4	6										
5	6		h w	N N E							
6	6										
7	6										
8	5										
9	5		E by S	N N E							
10	5										
11	5										
12	5										
1	5										
2	5										
3	5										
4	5										
5	5		N N E	N E							
6	5										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										

Strong breeze short sea at
7-30 wore ship to the Eastward
bree increasing the same sail
set

Middle fresh gale and high
sea at 2 AM took in Fore and
Main Top galsails at 4 AM
wore ship to the Westward

Boatter the same several
sails in sight hauled to the
Southward

Thumps Attended to
98 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by E 6	68	58, 8	12.4	33° 04'	33° 18'		15'	74° 13'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday ^{day of} Oct	1875
						Air.	Water.				
1	5		NW by N	NW by N							
2	5										
3	6										
4	6										
5	6										
6	6										
7	6										
8	6										
9	5		E by S	" "							
10	5										
11	5										
12	5										
1	5										
2	5										
3	5										
4	5										
5	4		NW by W	NW by W							
6	4										
7	4										
8	3										
9	2										
10	1										
11	1										
12	1										

Commenced with strong breeze and nasty sea at 2 moderating at 4 sails at 4 Royals at 8 tacked ship to the Eastward

Middle part the surge at 2 A M tacked to the Westward and moderating

Latter part light air and pleasant several sail in sight

Pumps Attended to

99 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 10° W	43	12.1	05.0	36° 30'	36° 40'		05'	74° 20'	71° 43'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday ^{day of} Oct	1875
						Air.	Water.				
1	2		NNW	South							
2	3										
3	4			SSW							
4	5										
5	5										
6	5										
7	5		NW by N								
8	6										
9	7										
10	7										
11	7										
12	7										
1	7										
2	8										
3	8										
4	8										
5	6		N by E	SSW							
6	6										
7	6										
8	6			West							
9	6										
10	5		ENW	North							
11	5										
12	5										

Light breeze from the Southward and pleasant at 3 breeze fresh several steamers passed to the Southward

Middle part fresh breeze

Latter at 9 A M wind hauled to the Northward got the anchors on the bow and bent the chains

Pumps Attended to

100 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 30° E	132	114.7	67.3	38° 34'			85'	73° 13'	

Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday ^{day of} 12 Oct 1875
						Air.	Water.			
1	8		N by W	N by E					Strong breeze and overcast with rain squalls at 6 PM made five fathoms bank light ship N.W. dis 15 tacked ship to the Eastward.	
2	8									
3	8									
4	8									
5	8									
6	8		E by N						Middle part breeze more arising took Fore & Main Topgalsails and F. Jib at 4	
7	8									
8	8									
9	8									
10	8									
11	7		W by W North						Latter part moderate gale and high sea at 8 AM wore ship to the Westward at 9 exchanged signals with Station Boat carrying Star	
12	7									
1	6									
2	6									
3	6									
4	6									
5	6									
6	6									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									
Pumps Attended to										
101 Days out										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 17° W	42	10.4	12.2	39° 14'	38° 50'		1° 6'	73° 31'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday ^{day of} 13 Oct 1875		
						Air.	Water.					
1	7		W by N						Strong breeze and nasty head sea at 3 moderating a little set Fore & Main Topgalsails at 6 made Cape May and the light boat lights got a cast of the lead 17 fathoms tacked ship to the Eastward			
2	7											
3	7											
4	7											
5	7											
6	7		E by E North	North					Middle part moderating made all sail at 4 am tacked to the Westward wind light			
7	7											
8	6											
9	6											
10	6											
11	5		W by W						Latter part light breeze			
12	5											
1	5											
2	5											
3	5											
4	4											
5	4											
6	4											
7	4											
8	3											
9	3											
10	3											
11	3											
12	3											
Pumps Attended to												
102 Days out												

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					39° 04'				

Journal from

towards

187

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	day of	187
						Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from

towards

Journal

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									May 25 th At 2 Pm Pilot left - moderate		
2									breeze from the westward made		
3									all sail Lat 35-10 Long 124-00		
4									Dis 135 miles		
5									May 26 Fresh breeze from N.W. through		
6									cut - there 24 hours and pleasant		
7									Lat 32-21 Long 123-54 Dis 200 miles		
8											
9									May 27 Fresh breeze from the Northward		
10									and pleasant Lat 29-29 Long 124-12		
11									Dis 170 miles		
12									May 28 Wind getting lighter and		
1									overcast Lat 27-14 Long 123-45		
2									Dis 145 miles		
3									May 29 Light breeze from the Northward		
4									and overcast Lat 25-16 Long 123-13		
5									Dis 115 miles am in hopes to get		
6									the Trade today		
7											
8									May 30 th Light baffling breeze from the Northward		
9									and overcast Lat 23-30 Long 122-18		
10									Dis 115 miles looking more like		
11									trade		
12											

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									May 31 st There 24 hours light Trades and		
2									overcast at 1 Pm wind hauled in		
3									to the N.E. and more settled		
4									One week with Trades but light am in		
5									hopes they will fresh Lat 20-58		
6									Long 122-36 Dis 140 miles small		
7									days work Dis run this week 1020		
8									miles Average 145 miles a day		
9											
10									June 1 st		
11									There 24 hours light Trades and		
12									overcast Dis 135 miles Lat 18-50		
1									Long 122-10		
2											
3									June 2 nd Light Trades and pleasant		
4									it is slow work Dis there 24		
5									hours 120 miles Strong W. by N.		
6									Current Lat 16-19 Long 122		
7											
8									June 3 rd Light Trades there 24 hours and		
9									pleasant Dis 130 miles Lat 14-14		
10									Long 121-34		
11											
12											

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

Journal from

towards

Lumbok

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									June 4 th There 24 hours Light Trades and		
2									pleasant Dis by Ob 155 miles		
3									Lat-12-13 Long 121-00		
4											
5									June 5 th Light Trades and pleasant the		
6									Trades are getting unsteady and		
7									driving out are about 6 loose		
8									then Lat-10-24 Long 120-10		
9									Dis 112 miles		
10											
11									June 6 th There 24 hours light breeze from		
12									the Northward and pleasant.		
1									Lat-9-13 Long 120-28 Dis 75 miles		
2											
3									June 7 th Light-Buffing air from the		
4									low week Northward Dis 70 miles Lat-8-05		
5									Long 120-27 Dis this week 798 Average		
6									114 mile per Day small work		
7									June 8 th Light air from the Northward and		
8									calms up to 11 am then wind shifted		
9									to Southward and light now came		
10									the sub to get across the doldrums		
11									Dis 55 miles Lat-7-20 Long 120-37		
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									June 9 th Through out there 24 hours		
2									light air and calms from		
3									all parts of the Corn wall		
4									Lat-6-33 Long 120-37 Dis 48 miles		
5											
6									June 10 th Light breeze and calm		
7									with heavy sea Surge		
8									Dis 48. Lat-5-15 Long 120-38		
9									a bark in company		
10											
11									June 11 th There 24 hours calm Dis		
12									20 miles Lat-5-33 Long 120-26		
1											
2									June 12 th Light breeze from all points and		
3									calms Lat-4-50 Long 120-07		
4									Dis 50 miles Strong Eddy		
5									current		
6											
7									June 13 th There 24 hours up to 10 am		
8									Light-Buffing breeze from all points		
9									of 10 fresh breeze from S E and		
10									thinks will breeze S E Trades		
11									Dis 65 miles Lat-3-42 Long 120-22		
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									June 14 th Fresh part light baffling		
2									breeze and squally at 12 mid		
3									Three weeks light wind should be SE		
4									and fresh trades Dis 135-		
5									mile Lat 12-3 Long 121-30		
6									This week 121 miles small waves		
7									work but to do better next		
8									week Average 60 miles a day		
9											
10											
11									June 15 th Fresh part light Trades and		
12									pleasant - latter Fresh Trades		
1									all sail set Lat 9-42 South		
2									Long 122-05 Dis 150 miles		
3									carried away one of the		
4									chords to Main rigging		
5											
6									June 16 th Strong breeze and nasty		
7									head sea Lat 3-15 Long 122-30		
8									Dis 160 miles she did not sail		
9									as she ought to		
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									June 17 th Strong breeze and pleasant		
2									and warty sea Dis run		
3									200 miles Lat 6-27 Long 123-06		
4									June 18 th Strong breeze and sea getting		
5									more smooth Lat 9-42 Long 123-39		
6									Dis 200 miles		
7											
8											
9									June 19 th Fresh breeze and pleasant not		
10									as strong as has been and		
11									sea smoother Dis 175 miles		
12									Lat 12-36 Long 122-55		
1									June 20 th Fresh Trades and Squally		
2									Dis 170 mile Lat 13-15 Long 122		
3											
4									June 21 st Moderate breeze from the		
5									Northward and Eastward		
6									Four weeks Dis 170 miles Lat 18-11		
7									Long 120-15 Average 178 miles		
8									a day lost the SE Trades wind		
9									blasted to the Northward		
10											
11											
12											

190
150
135
200
200
160
150
112 4 5 (178)
3 1/2
3 5
5 6

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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$$\begin{array}{r} 175 \\ 18 \\ 50 \\ 18 \\ 22 \\ 80 \\ 55 \\ \hline 278 \\ 2 \\ \hline 54 \\ 88 \\ \hline \end{array}$$

28-00 Long 113-15 Dis 21 miles

Five weeks

Lon. by Ob.
bnd

Journal from

towards

187

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									July 1 st Strong breeze from the Northward		
2									and Westward and thick and		
3									rainy with heavy squalls and		
4			160						rather cross sea Dis 210 miles		
5			134						Lat 33-05 Long 114-10		
6			210.						SE by S		
7			130						July 2 nd Then 24 hours moderate breeze		
8			222						from from the Northward and		
9			230						heavy swell ship rolling heavy		
10			130						Dis 130 miles Lat 34-55 Long 113-02		
11			112 5 0 14						all sail set		
12			3 2								
1									July 3 rd Strong breeze from NW		
2									and squally all sail set		
3									Dis 222 miles Lat 38-10 Long 111-00		
4									July 4 th		
5									Strong breeze from the Northward		
6									and Westward and heavy squalls		
7									rather from whole gale from SW		
8									and heavy squalls Dis 230 miles		
9									Lat 41-20 Long 108-15 not a		
10									very pleasant breeze but		
11									perhaps there are those that are		
12									hearing a good time today		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									July 5 th Fresh gale from NW first		
2									part then moderating and then		
3									light breeze from the Northward		
4									Dis 180 miles she had caught		
5									Six weeks to have gone 200 but I		
6									can't get her along the copper		
7									begins to come off your club		
8									see several places where it is		
9									all off Lat 43-20 Long 106-07		
10									gauge 180 miles		
11									July 6 th First part light and from		
12									the Westward and then		
1									Moderate breeze from the		
2									Eastward her luck for East		
3									wind Dis 100 miles Lat 44-58		
4									Long 106-09		
5									July 7 th Light baffling breeze from the		
6									Southward and Eastward with		
7									passing squalls at times most		
8									a calm just such weather as		
9									I had here last week Dis 90		
10									miles Lat 46-12 Long 107-00		
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									First part Calm latter		
2									light air from Northward		
3									and Eastward Small days		
4									work Dis 100 miles Lat 46-48		
5									Long 106-35		
6											
7									Then 24 hours commenced		
8									with fresh breeze from the		
9									Northward and Eastward and		
10									raising latter part wind haul-		
11									ing to the Southward and		
12									pleasant Dis 170 miles		
1									Lat-49-18 Long 104-22		
2											
3									July 10 th Lat-50-56 Long 101-56 Dis 100		
4									miles S 1/2 W Moderate breeze from		
5									the Eastward and heavy swell		
6									and squalls this makes five		
7									days that I have the wind with		
8									East in it I should think it		
9									was about time it hauled		
10									to the Westward		
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									July 11 th Lat-52-42 Long 105-34 course		
2									S 1/2 W 110 miles strong breeze		
3									from ESE and high sea with		
4									heavy squalls this is the sixth		
5									day of Eastly wind hope it will		
6									soon haul		
7											
8									July 12 th Lat-52-19 Long 104-21 Dis 50		
9									miles strong breeze with heavy		
10									head seas and squalls this		
11									makes the seventh day that we		
12									have had wind from SE to NE		
1									and hope it will soon haul		
2									Dis this week 640 miles average		
3									94 miles a day		
4											
5									July 13 th Lat-53-21 Long 104-33 Dis 68		
6									miles wind breeze for those 24 hours		
7									ESE this makes 8 days with		
8									Eastly wind and heavy swell		
9									have not had a chance to make		
10									but 100 miles Eastward during		
11									the last eight days and		
12									the barometer has not rose or fell		
									a tenth during that time 29.5-		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from

towards

Journal

H K F COURSES. WINDS. LEEWAY. Thermometer Air. Water. Barometer. REMARKS. day of 187

July 14th

Lat 55-12 Long 104-30 Dis 114 miles wind from E by N to E by S and heavy swell nine days of this kind of wind and I don't see any signs of a change what chance ships have had to get to the westward

July 15th

Lat 56-24 Long 102-20 Dis 95 Wind still from the Eastward and light at times calm with snow squalls this is ten days of this kind of winds and I am about discouraged the Barometer is high and steady stands at 30 PR

July 16th

Lat 56-24 Long 98-45 Dis 120 First fair light baffling breeze from N N E latter hardly more to the Westward the first time in eleven days have had the wind with any western in it. ships bound to the westward have had a fine chance I suppose the Dauntless and P Donna will get down here by the time the weather and seas and will catch up with me

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

H K F COURSES. WINDS. LEEWAY. Thermometer Air. Water. Barometer. REMARKS. day of 187

July 17th

Lat 57-24 Long 93-45 Dis 184 Fresh breeze from N E to north by east and pleasant I don't think I am going to get any better wind I never saw it so moderate and smooth as I have had it for the last two weeks down here

July 18th

Lat by D R 57-24 Long 86-49 Dis 230 Strong breeze and heavy squalls from N N W

July 19th

Lat 57-24 Long 78-38 Dis 255 Moderate gale from N W all sail set Dis sailed this week 1066 miles average 152 miles a day

July 20th

Lat 57-42 Long 71-58 Dis 220 Strong breeze from West all day sail set

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

Journal from *London* towards *London*

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									July 21 st Lat by DR 57-33 Long 66 17		
2									Dis 210 miles First strong breeze		
3									from West-Latter moderate		
4									breeze and pleasant all sail		
5									set I never saw so fine weather		
6									down here		
7											
8									July 22 nd Lat by DR 56-57 Long 62-29		
9									Dis 136 First part light breeze		
10									from the Westward at time calm		
11									water as smooth as a pond		
12									several sails in sight hauled		
1									to the West-Latter part wind		
2									hauling to the N by E and foggy		
3									Barometer high 30 2 1/2		
4											
5									July 23 rd Lat by DR 56 06 Long 58 02		
6									Dis 136 miles light baffling		
7									breeze from NNE to N by W and		
8									foggy sea smooth don't look		
9									as though had been any wind		
10									here for months Barometer the		
11									same I call this hard luck		
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									July 24 th Lat by DR 55-34 Long 58-46 2		
2			220						Dis 85 miles light baffling breeze		
3			210						from NNE to N by W and times		
4			180						calm and thick fog and		
5			136						sea smooth Barometer the same		
6			85						hard luck		
7			120								
8			85						July 25 th Lat by DR 52 48 Long 52 33		
9			7/1006 (144)						Dis 120 mile there 24 hours		
10			30						light breeze and thick fog		
11			28						with rain at time calm and		
12			26						at then 8 knots this is from		
1			28						days of this kind of weather		
2			28						am about dis courage		
3											
4									July 26 th Lat by DR 53 07 Long 50 08		
5									Dis 85 wind NE First part		
6									light and foggy latter light		
7									and pleasant some weeks out		
8									Dis sailed this week 1006 mile		
9									average per day 144 miles		
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from

towards

Journal

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	DR	day of	187
						Air.	Water.					
1									July 27 th Lat-52° 56' Long 49° 07' Dis 141			
2									First light breeze from NE and			
3									pleasant at 4 PM tacked ship			
4									to the Northward at 4 AM wind			
5									hauling tacked to the Eastward			
6									Latter part and N by W light			
7									and smooth sea and snow			
8									squalls this is what I call hard			
9									luck ought to have strong			
10									westly and			
11		214							July 28 th Lat by DR 52° 00' Long 47° 10' Dis 88			
12		88							wind light from NW and			
1		122							heavy swell from NE have			
2		125							not had wind enough but what			
3		80							could carry ship sail for over a			
4		135							week			
5		210							July 29 th Lat by DR 52° 25' Long 45° 00' Dis 122			
6		186 5-128							First part light breeze from NW			
7		13							and swell from NE			
8		25							July 30 th Lat DR 50° 30' 43' 12' Dis 125 miles			
9									First part light breeze from NW and overcast			
10									with heavy swell from SE this is the worst day			
11									with light wind from NW to NE			
12												

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	DR	day of	187
						Air.	Water.					
1									July 31 st Lat-49° 25' Long 41° 50' Dis 80			
2									First part light breeze from the			
3									Northward Latter wind hauling			
4									to the S and Westward the			
5									First time for eleven days that			
6									the yard have been squared in			
7									clear of the Back stays			
8									Aug 1 st Lat-46° 25' Long 39° 58' Dis 195			
9									First part light breeze from			
10									the Southward Latter strong			
11									breeze from SW			
12									Aug 2 nd Lat-43° 13' Long 37° 25' Dis 210			
1									Strong breeze from SW Latter			
2									moderating made 210 ought			
3									to haul made 250 in weeks			
4									Dis 865 miles average 128 per			
5									day			
6												
7												
8												
9												
10												
11												
12												

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from *London* towards *London*

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									Aug 3 rd Lat-41° 21' Long 33° 40' Dis 121		
2									First part light breeze from SW		
3									Latter wind hauled to the northward		
4									and freshing by the wind again		
5											
6									Aug 11 th Lat-41° 21' Long 32° 21' Dis 70		
7									First part strong breeze from the		
8									northward and heavy squalls		
9									Latter fresh gale and high sea		
10									wind N by W this is the first		
11									time Royals has been in for		
12									fifteen day at times blowing		
1									hard ship makes the least		
2									water this passage of any since		
3									I have been		
4											
5									Aug 5 th Lat-40° 10' Long 33° 29' Dis 92		
6									First part strong breeze and		
7									high sea and heavy squalls		
8									from NNW Latter wind hauling		
9									to the southward and dying		
10									out		
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									Aug 6 th Lat-37° 36' Long 32° 48' Dis 152		
2			121						Light breeze from the southward		
3			30						and overcast		
4			32								
5			152						Aug 7 th Lat-36° 18' Long 32° 00' Dis 90		
6			30						First part light baffling breeze		
7			144						from the southward Latter wind		
8			80						hauling to the north & west		
9			77 49 (107)						all sail set		
10			119						Aug 8 th Lat-34° 00' Long 31° 10' Dis 144		
11			117						Moderate breeze from WNW		
12									these 24 hours		
1											
2									Aug 9 th Lat-32° 38' Long 31° 50' Dis 80		
3									First part light baffling breeze		
4									from NNW Middle part calm		
5									up to 8 a.m then light		
6									breeze from NNE Dis 74.9		
7									average 107 per day		
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from

towards

Journal

187

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									Aug 10 th Lat-31 33 Long 33 24 Dis 113		
2									First-part-light-breeze from		
3									NNE latter strong breeze and		
4									high sea at 11 AM wind		
5									shifted to NW and during out-		
6									and heavy fall of rain		
7											
8									Aug 11 th Lat-30 00 Long 33 03 Dis 98		
9									First-part-fresh breeze from		
10									NW and heavy head sea		
11									latter wind backing to the		
12									southward last-4age crossed		
1									the line 1/2 day out but-		
2									am a long way behind I		
3									should not-like to meet the		
4									Canada now for I think she		
5									would beat me		
6									Aug 12 Lat-29 04 Long 32 48 Dis 60		
7									First-part-light-breeze from		
8									SW latter light-air from		
9									all part and calms		
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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towards

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from _____ towards _____

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from _____ towards _____

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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